Reviewed: 2/25/92 Recommend: L box G. Ferreiro

# SITE INSPECTION

# GEORGIA-PACIFIC CORPORATION PENNSAUKEN, CAMDEN COUNTY EPA ID.: NJD002514750



New Jersey Department of Environmental Protection and Energy Division of Responsible Party Site Remediation Bureau of Site Assessment

6/91

# GEORGIA-PACIFIC CORPORATION 175 DEROUSSE AVENUE PENNSAUKEN, CAMDEN COUNTY, NEW JERSEY EPA ID # NJD002514750

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NARRATIVE

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# GEORGIA-PACIFIC CORPORATION 175 DEROUSSE AVENUE PENNSAUKEN, CAMDEN COUNTY, NEW JERSEY EPA ID # NJD002514750

#### GENERAL INFORMATION AND SITE HISTORY

The Georgia-Pacific Corporation (Georgia-Pacific) site, 13.2 acres in size, is located on Block 109, Lot 11 in a industrial area of Pennsauken, Camden County. Georgia-Pacific has owned and occupied this site since 1925. To the north the site is bordered by the Delaware River; to the east, west and south the site is bordered by the Amerada Hess Oil Company. The population within a 4-mile radius of the site is approximately 343,000.

#### SITE OPERATIONS OF CONCERN

The Georgia-Pacific site is an active paper recycling facility. Raw waste paper is shredded and any plastic and metal are removed. The paper then undergoes a wet process that mulches it into a wet slurry. Finally the paper is rolled and dried to be used as a heavy grade paper backing for gypsum wallboard.

Process wastewater and stormwater undergo screening and primary clarification with 95 percent of the effluent being recycled back to the plant. The remaining 5 percent of effluent goes to a synthetically lined 2,000,000-gallon aeration lagoon for stabilization, then to a secondary clarifier before being discharged into the Delaware River (Attachment A). There is also an unlined lagoon at the site that is not presently in use. A review of aerial photographs revealed that both lagoons first appeared at the site in 1974.

Georgia-Pacific filed a Hazardous Waste Permit Application with the United States Environmental Protection Agency (USEPA) in 1980 in accordance with the requirements of the Resource Conservation Recovery Act (RCRA). Georgia-Pacific listed a container process with a design capacity of 1,000,000 gallons and an estimated annual quantity of 8,000 tons of ignitable waste and 50,000 pounds of spent halogenated solvent waste (Attachment B). In 1982 Georgia-Pacific advised the USEPA that the waste generated at the facility was not stored for longer than 90 days and the storage unit identified was never used (Attachment C).

The New Jersey Department of Environmental Protection (NJDEP), Division of Hazardous Waste Management (DHWM), Bureau of Hazardous Waste Engineering (BHWE) determined in 1983 that Georgia-Pacific's hazardous waste treatment, storage or disposal (TSD) facility listed on the Hazardous Waste Permit Application was excluded from the NJDEP's list of existing facilities and the site was classified only as a generator of hazardous waste (Attachment D). Inspections conducted by the NJDEP, DHWM, Bureau of Southern Enforcement (BSE) in 1983 and 1987 disclosed that the only hazardous waste generated at the site was lubricating and cooling waste oil that is being burned in the plant boilers (Attachment E).

The NJDEP, DWR issued to Georgia-Pacific Treatment Works Approval (TWA) Construction and Operation Permit # 89-2175-4N to construct and operate a treatment works consisting of an aerated stabilization tank, an influent

flow control tank and a pumping station. This permit became effective in September 1989 and expires in December 1991 (Attachment F).

A Pre-Sampling Assessment (PSA) conducted by the NJDEP, DHWM, Bureau of Planning and Assessment (BPA) on May 31, 1991 revealed that the aerated stabilization tank was constructed over the site of the unlined lagoon. Mr. Doug Dutton, Senior Environmental Engineer for Georgia-Pacific, stated that the unlined lagoon was built as an emergency overflow receptor for the primary clarifiers, but was never used (Attachment 0). At the present time the plant is not operating at 100 percent capacity; thus, not enough wastewater is being generated to use the aeration tank. When the tank is operating it will replace the existing lined lagoon, which will then be used for emergency overflows from the primary clarifiers. In addition, when the tank is operational the wastewater discharge from the site will be greatly reduced as more is recycled through the plant process.

There have been two spills at the site, one in November 1986 involving the release of approximately 20 gallons of Hercon-32, a water soluble glue resin, that was cleaned up by Georgia-Pacific and put into the plant wastewater treatment system; and one in December 1988 involving the spillage of approximately 40 gallons of #6 fuel oil that was contained on the loading dock. Clean Harbors of Kingston, Inc., of Deptford, New Jersey cleaned up the spill the day after it occurred (Attachment G).

#### GROUNDWATER ROUTE

Camden County is in the Atlantic Coastal Plain Physiographic Province which is underlain by unconsolidated sediments of Quaternary, Tertiary and Cretaceous age, consisting mostly of alternating sands, silts and clays. The sediments dip gently to the southeast and thicken from 40 feet at the Delaware River to 2,900 feet at the Camden-Atlantic County line (Attachment H). The major freshwater aquifers in Camden County are sands and gravels of Cretaceous and Tertiary age in the Potomac Group and the Raritan and Magothy Formations, the Cohansey Sand, the Wenonah Formation-Mount Laurel Sand and the Englishtown Formation. Minor aquifers are found in parts of the Merchantville Formation, the undifferentiated Vincentown and Manasquan Formations and the Kirkwood Formation. Saturated sands and gravels in the surficial deposits of Quaternary age, where in direct contact, are commonly hydraulically connected to the underlying aquifers (Attachment H).

The Georgia-Pacific site is located in the Potomac-Raritan-Magothy Aquifer systems which are fluvial-marginal marine sediments of early to late Cretaceous age and overlie Pre-Cretaceous crystalline rocks. The system is made up of aquifers consisting of sand with gravel and confining units of silts and clays overlain in the outcrop area by highly permeable Pleistocene sand and gravel. The sands are separated into upper, middle and lower hydrologic units. The upper unit consists mainly of the sands of the Magothy Formation while the middle and lower units consist mainly of sand of the Raritan Formation and the Potomac Group. The thickness of the Potomac-Raritan-Magothy systems ranges from approximately 260 feet to approximately 1,210 feet. The aquifer system is confined from below by crystalline bedrock and from above by the thick clay of the Merchantville-Woodbury confining unit which is one of the least permeable confining units in the New Jersey Coastal Plain and limits vertical leakage into the aquifer system from overlying sediments southeast of the outcrop area (Attachment H).

The following public water supply wells are located within a 4-mile radius of the site:

| OVENIED D  | EPTH (feet)  | FORMATION *  | DISTANCE (miles) |
|--|--------------|--------------|------------------|
| <u>OWITER</u>  | 385          | GKMR         | 4.0              |
| Moorestown Township                                  | 152 <i>i</i> | GKMR         | * 2.5            |
| Merchantville/Pennsauken                             | 147          | GKMR         | 0.8              |
| Merchantville/Pennsauken                             | 279          | GKMR         | 2.0              |
| Merchantville/Pennsauken                             | 262          | GKMR         | 2.1              |
| Merchantville/Pennsauken                             | 140          | GKMR         | 2.5              |
| Merchantville/Pennsauken                             | 231          | GKMR         | 1.8              |
| Merchantville/Pennsauken                             | 274          | GKMR         | 2.4              |
| Merchantville/Pennsauken                             | 262          | GKMR         | 2.4              |
| Merchantville/Pennsauken<br>Merchantville/Pennsauken | 277          | GKMR         | 2.3              |
| Merchantville/Pennsauken                             | 290          | GKMR         | 2.3              |
| Merchantville/remisauken                             | 270          | GKMR         | 2.3              |
| Merchantville/Pennsauken                             | 211          | GKMR         | 2.3              |
| Merchantville/Pennsauken                             | 288          | GKMR         | 2.1              |
| Merchantville/Pennsauken                             | 227          | GKMR         | 2.1              |
| Merchantville/Pennsauken                             | 262          | GKMR         | 3.3              |
| New Jersey-American Water                            | 270          | GKMR         | 3.3              |
| New Jersey-American Water                            | 197          | GKMR         | 3.2              |
| New Jersey-American Water                            | 176          | GKMR         | 3.2              |
| New Jersey-American Water                            | 170          | GKMR         | 1.9              |
| New Jersey-American Water                            | 192          | GKMR         | 1.9              |
| New Jersey-American Water                            | 198          | GKMR         | 2.0              |
| New Jersey-American Water                            | 194          | GKMR         | 1,.7             |
| New Jersey-American water                            | 195          | GKMR         | 1.6              |
| New Jersey-American Water                            | 176          | GKMR         | 2.0              |
| New Jersey-American Water                            | 281          | GKMR         | 3.9              |
| Collingswood Borough                                 | 290          | GKMR         | 3.8              |
| Collingswood Borough                                 | 304          | GKMR         | 3.8              |
| Collingswood Borough                                 | 311          | GKMR         | 3.8              |
| Collingswood Borough                                 | 281          | GKMR         | 3.7              |
| Collingswood Borough                                 | 312          | GKMR         | 3.8              |
| Collingswood Borough                                 | 107          | GKMR         | 1.9              |
| Camden City Water                                    | 107          | GKMR         | 1.6              |
| Camden City Water                                    | 134          | GKMR         | 1.3              |
| Camden City Water                                    | 138          | GKMR         | 0.7              |
| Camden City Water                                    | 125          | GKMR         | 1.0              |
| Camden City Water                                    |              | GKMR         | 0.9              |
| Camden City Water                                    | 128          | GKMR         | 1.1              |
| Camden City Water                                    | 118          | GKMR         | 0.8              |
| Camden City Water                                    | 148          | GKMR         | 0.8              |
| Camden City Water                                    | 122          | GKMR         | 0.8              |
| Camden City Water                                    | 149          | GKMR         | 0.6              |
| Camden City Water                                    | 135          | GKMR         | 0.2              |
| Camden City Water                                    | 141          | GKMR         | 0.3              |
| Camden City Water                                    | 146          |              | 0.3              |
| Camden City Water                                    | 135          | GKMR<br>GKMR | 0.6              |
| Camden City Water                                    | 141          |              | 0.6              |
| Camden City Water                                    | 169          | GKMR         | 0.7              |
| Camden City Water                                    | 176          | GKMR<br>GKMR | 0.6              |
| Camden City Water                                    | 186          |              | 0.7              |
| Camden City Water                                    | 180          | GKMR         | 3.4              |
| Camden City Water                                    | 230          | GKMR         | <b>3.</b> T      |

| OTMED             | DEPTH (feet) | FORMATION * | <u>DISTANCE (miles)</u> |
|-------------------|--------------|-------------|-------------------------|
| OWNER             | 270          | GKMR        | 3.6                     |
| Camden City Water |              |             | 3.6                     |
| Camden City Water | 290          | GKMR        | 5.0                     |

\* GKMR = Raritan and Magothy Formations

The population served by these water supplies is approximately 160,000.

The site is located in a highly urbanized area. There are no known potable private wells located within a 4-mile radius of the site.

There are numerous industrial wells located within a 4-mile radius of the site; however, only one industrial well was identified within a 1-mile radius of the site.

Woodward, Clyde Consultants of Plymouth Meeting, Pennsylvania installed five monitoring wells (MW-1, MW-2, MW-3, MW-4 and MW-5) at the site in February 1987. MW-1 is 20 feet deep and is located adjacent to the plant office building. MW-2, 37 feet deep; MW-3, 39 feet deep; MW-4, 20 feet deep; and MW-5, 20 feet deep, were installed around the perimeter of the lined aeration lagoon. Sampling of these wells for chromium, lead and petroleum hydrocarbons (PHCs) was conducted by Georgia-Pacific in July 1987, April 1988, October 1988; and by Woodward Clyde Consultants in July 1989. The sampling results revealed lead contamination in 1987 at 140 parts per billion (ppb) in MW-1, 60 ppb in MW-2, 50 ppb in MW-3 and 110 ppb in MW-5. In April 1988 PHC contamination at 2.4 parts per million (ppm) was detected in MW-3, while in October 1988 lead contamination was detected at 220 ppb in MW-1, 50 ppb in MW-4 and 120 ppb in MW-5. PHC contamination at 7.7 ppm was also detected in MW-4 (Attachment I).

The NJDEP, DWR issued Georgia-Pacific in December 1983 New Jersey Pollution Discharge Elimination System (NJPDES) permit # NJ0004669 for a discharge to surface water from the lined aeration lagoon. The permit was modified in January 1987 to include a requirement that Georgia-Pacific monitor actual or potential discharges to groundwater from the lined aeration lagoon (Attachment J). This permit expired in January 1989; however, the NJDEP, DWR received a renewal application in September 1989.

#### SURFACE WATER ROUTE

The only surface water located downslope of the site is the Delaware River, located approximately 100 feet from the site. No potable surface water intakes are located within 15 miles downstream of the site; however, the Delaware River is tidal in this area and the following potable surface water intakes are located within 15 mile upstream of the site:

| OWNER                | DISTANCE (stream miles) | POPULATION SERVED |
|----------------------|-------------------------|-------------------|
|                      | 6.3                     | 792,000           |
| City of Philadelphia |                         | 10,000            |
| City of Burlington   | 14.3                    | 40.000            |
| Rorough of Bristol   | 14.6                    | 40,000            |

The Delaware River also supports industrial and recreational usage.

In March 1986 the NJDEP, DWR collected one grab and two 24-hour composite water samples from the aeration lagoon effluent.

The sample results revealed lead contamination at 13 ppb, 217 ppb and 26 ppb, and zinc contamination at 89 ppb, 1,795 ppb and 97 ppb. Georgia-Pacific sampled the effluent in July 1987 and in April and October 1988. The July 1987 sample was analyzed for chromium, lead, volatile organic compounds (VOCs) and base/neutral (B/N) compounds. VOC analyses was not performed on the samples collected in 1988. Sample results revealed PHC contamination at 13.2 ppm in July 1987 and 7.7 ppm in October 1988 (Attachment K).

As required by the Delaware River Basin Commission, Georgia-Pacific sampled the lagoon effluent in June 1990. The samples were analyzed for VOCs, acid extractable (AE) compounds, pesticides, polychlorinated biphynels (PCBs) and metals. All sample results were either below minimum detection limits or the applicable NJDEP action levels (Attachment K).

Palustrine open water, emergent, forested and broad-leaved deciduous freshwater wetlands and riverine, intermittent, flat coastal wetlands are located within 1 mile downslope of the site.

Within a 1-mile radius of the site, which is located in the United States Geological Survey (USGS) Camden Quadrangle, is habitat associated with the following federal and state threatened and endangered species: shortnose sturgeon, American shad, bog turtle, wood turtle and peregrine falcon.

#### AIR ROUTE

The New Jersey State Department of Health, Air Pollution Control Program conducted stack sampling for sulfur dioxide (SO2) emissions from the plant boiler stack in September 1968 and February 1969. During the 1968 sampling episode the stack emissions exceeded the allowable SO2 standard of 96 pounds per hour and during the 1969 sampling episode the emissions exceeded the SO2 standard of 48.3 pounds per hour (Attachment L).

At the present time Georgia-Pacific does not have any permits from the NJDEP, Division of Environmental Quality (DEQ). Present plant activities do not present a potential for air releases.

#### SOIL

The soil at the site is classified as Made Land and consists of areas where the soil material has been so mixed by excavation, filling or other disturbances that the original soil horizons have been destroyed. Along the Delaware River the material making up Made Land came from pumping operations intended to deepen stream channels. These areas contain boulders, sand and gravel.

There has been no soil sampling conducted at the site. Currently only waste oil and small quantities of kerosene and solvents used for the cleaning of parts are generated at the site. The waste oil, which is not stored for more than  $9\overline{0}$  days, is kept in drums inside the building and is burned in the plant boilers. The kerosene and solvents are used in such small quantities that they are completely used up and no waste is generated. At the present time the only potential that exists for soil contamination would be if there was an overflow of the aeration lagoon. When the aeration tank is operational this potential for soil contamination will no longer exist.

DIRECT CONTACT

This site is not guarded or completely fenced; however, all hazardous wastes generated at the site are stored indoors thus limiting the access of the off-site population. The potential exists for plant employees to come into contact with hazardous substances when solvents are used for parts cleaning and when the waste  $oil_i$  is hand pumped into the boilers.

FIRE AND EXPLOSION

There have been no reported fires or explosions at the site; however, the main product generated is paper which would support a fire or explosion.

ADDITIONAL CONSIDERATION

No damage to flora or off-site property has been reported as a result of current plant activities; however, in 1988 Georgia-Pacific was cited by the NJDEP, DWR for excessive biological oxygen demand (BOD) in the wastewater effluent which is potentially harmful to marine life. Since BOD is not bioaccumulative, there is no danger of contamination of the food chain.

ENFORCEMENT ACTIONS

An Administrative Order (AO) and a Notice of Prosecution (NOP) were issued to Georgia-Pacific by the NJDEP, DEQ in 1967 and 1976, respectively, for excessive smoke emissions from the plant boilers (Attachment M).

The NJDEP, DWR issued to Georgia-Pacific in 1989 an Administrative Order and Notice of Civil Administrative Penalty Assessment for the previously mentioned BOD violations and for not using a NJDEP certified laboratory for sample analyses (Attachment N).

#### SUMMARY OF SAMPLING DATA

Sampling date:

September 18, 1968

Sampled by:

NJDOH/APCP

Trenton, New Jersey

Samples:

Ten boiler stack emmission samples

Laboratory:

NJDOH

Trenton, New Jersey

Parameters:

Particulate emissions

Sample description:

the back boiler stack

#### Contaminants detected:

| RUN | EMISSIONS | (LBS/HR) |  |  |
|-----|-----------|----------|--|--|
| KON | ALLOWABLE | ACTUAL   |  |  |
| 1   | . 96      | 97       |  |  |
| 2   | 96        | 103      |  |  |
| 3   | 96        | 97       |  |  |
| 4   | 96        | 100      |  |  |
| 5   | 96        | 104      |  |  |
| 6   | 96        | 110      |  |  |
| 7   | 96        | 112      |  |  |

| <u>RUN</u>          | EMISSIONS<br>ALLOWABLE | (LBS/HR)<br>ACTUAL   |
|---------------------|------------------------|--|
| _                   |                        | 112  |
| .8<br>9             | 96                     | 105  |
| 9                   | 96                     | <del></del>  |
| 10                  | 96                     | 98   |
| QA/QC:              | -:                     | The sample results did not undergo a formal review by the NJDEP.   |
|                     |                        | NJDEP/DEQ/BSE  |
| File location:      |                        | Gibbsboro, New Jersey  |
|                     |                        | (Attachment L)   |
|                     |                        | (11000011111111111111111111111111111111  |
| Sampling date:      |                        | February 2, 1969   |
| Gammalad by:        |                        | NJDOH/APCP   |
| Sampled by:         |                        | Trenton, New Jersey  |
|                     | ,                      | •  |
| Samples:            |                        | Twelve boiler stack emmission  |
| Samples.            |                        | samples  |
|                     | , ,                    | Control of the Contro |
| Laboratory:         |                        | NJDOH  |
| Labora cory.        |                        | Trenton, New Jersey  |
| •                   |                        |  |
| Parameters:         |                        | Particulate emissions  |
| Tulumo con o        |                        |  |
| Sample description: |                        | the back boiler stack  |
|                     |                        |  |
| Contaminants detect | ed:                    |  |
|                     |                        |  |

| RUN | <u>EMISSIONS</u> | (LBS/HR)      |
|-----|------------------|---------------|
|     | <u>ALLOWABLE</u> | <u>ACTUAL</u> |
| 1   | 48.3             | 67.6          |
| 2   | 48.3             | 73.2          |
| 3   | 48.3             | 75.2          |
| 4   | 48.3             | 76.7          |
| 5   | 48.3             | 75.2          |
| 6   | 48.3             | 63.7          |
| 7   | 48.3             | 64.3          |
| 8   | 48.3             | 66.5          |
| 9   | 48.3             | 63.4          |
| 10  | 48.3             | 66.6          |
| 11  | 48.3             | 69.2          |
| 12  | 48.3             | 69.2          |
| 12  | 40.5             | • • • •       |

QA/QC:

2.

The sample results did not undergo a formal review by the NJDEP.

File location:

NJDEP/DEQ/BSE Gibbsboro, New Jersey (Attachment L)

3. Sampling date:

March 11, 1986

Sampled by:

NJDEP/DWR

Gibbsboro, New Jersey

Samples:

Three water samples

Laboratory:

New Jersey Department of Health (NJDOH) Environmental and Chemistry Laboratory

Trenton, New Jersey Lab Certification # 11148

Parameters:

Lead and zinc

Sample description:

Sample 41083 is a 24-hour composite sample of the plant wastewater effluent; Sample 41084 is a grab sample of raw water collected at the # 1 Sump; and Sample 41085 is a 24-hour composite of the Delaware River collected at the plant intake.

Contaminants detected:

Lead was detected at 217 ppm in Sample 41084 and zinc was detected at 89 ppb in Sample 41083, 1,795 ppb in Sample 41084 and 97 ppb in Sample 41085...

QA/QC:

The sample results did not undergo a formal review by the NJDEP.

File location:

NJDEP/DWR/BSE Gibbsboro, New Jersey (Attachment K)

4. Sampling date: July 12, 1987

Sampled by:

Georgia-Pacific Pennsauken, New Jersey

Samples:

Five groundwater samples

Laboratory:

Princeton Testing Laboratory Princeton, New Jersey Lab Certification # 11118

Parameters:

Chromium, lead and PHCs

Sample description:

On-site monitoring wells MW-1, MW-2, MW-3, MW-4 and MW-5

Contaminants detected:

Lead was detected at 140 ppb in MW-1, 60 ppb in MW-2, 50 ppb in MW-3 and 110 ppb in MW-5. Chromium and PHC sample results were below NJDEP action levels.

QA/QC:

The sample results did not undergo a formal review by the NJDEP.

File location:

NJDEP/DWR/BSE Gibbsboro, New Jersey (Attachment I)

5. Sampling date:

April 25, 1988

Sampled by:

Georgia-Pacific Pennsauken, New Jersey

Samples:

Five groundwater samples

Laboratory:

Princeton Testing Laboratory Princeton, New Jersey Lab Certification # 11118

Parameters:

Chromium, lead and PHC

Sample description:

On-site monitoring wells MW-1, MW-2, MW-3, MW-4 and MW-5

Contaminants detected:

PHCs at 2.4 ppm were detected in MW-3. All other sample results were below NJDEP action levels.

QA/QC:

The sample results did not undergo a formal review by the NJDEP.

File location:

NJDEP/DWR/BSE Gibbsboro, New Jersey (Attachment I)

Sampling date:

October 13, 1988

Sampled by:

Georgia-Pacific Pennsauken, New Jersey

Samples:

Five groundwater samples

Laboratory:

Princeton Testing Laboratory Princeton, New Jersey Lab Certification # 11118

Parameters:

Chromium, lead and PHCs

Sample description:

On-site monitoring wells MW-1, MW-2, MW-3, MW-4 and MW-5

Contaminants detected:

Lead was detected at 220 ppb in MW-1, 50 ppb in MW-4 and 120 ppb in MW-5. PHCs were detected at 7.7 ppm in MW-4.

Chromium sample results were below the NJDEP action level.

The sample results did not undergo a formal review by the NJDEP.

NJDEP/DWR/BSE Gibbsboro, New Jersey (Attachment I)

July 7, 1989

Woodward Clyde Consultants Plymouth Meeting, Pennsylvania

One surface water and five groundwater samples

Princeton Testing Laboratory Princeton, New Jersey Lab Certification # 11118

Chromium, lead and PHCs

On-site monitoring wells MW-1, MW-2, MW-3, MW-4 and MW-5; and the aeration lagoon

Chromium at 0.11 ppm, lead at 0.18 ppm and PHCs at 18.5 ppm were detected in the aeration lagoon sample. All groundwater sample results were below NJDEP action levels.

The sample results did not undergo a formal review by the NJDEP.

NJDEP/DWR/BSE Gibbsboro, New Jersey (Attachment I)

June 28, 1990

Georgia-Pacific Pennsauken, New Jersey

Two water samples

QC Laboratories Southhampton, Pennsylvania Lab Certification # 77166

VOCs, AEs, B/Ns, pesticides, PCBs and metals

QA/QC:

File location:

7. Sampling date:

Sampled by:

Samples:

Laboratory:

Parameters:

Sample description:

Contaminants detected:

QA/QC:

File location:

8. Sampling date:

Sampled by:

Samples:

Laboratory:

Parameters:

Sample description:

Samples 234002 and 234769, collected from the plant wastewater discharge outfall.

Contaminants detected:

All sample results were below minimum detection limits except for lead and zinc which were detected in Sample 234769 at 20 ppb and 170 ppb, respectively. The lead level detected was below the NJDEP Surface Water Criteria and the zinc level detected was below the New Jersey Secondary Drinking Water Regulations, Secondary Maximum Contaminant Level of 500 ppb.

QA/QC:

The sample results did not undergo a formal review by the NJDEP.

File location:

NJDEP/DWR/Bureau of Industrial Discharge Permits Trenton, New Jersey (Attachment K)

#### RECOMMENDATIONS

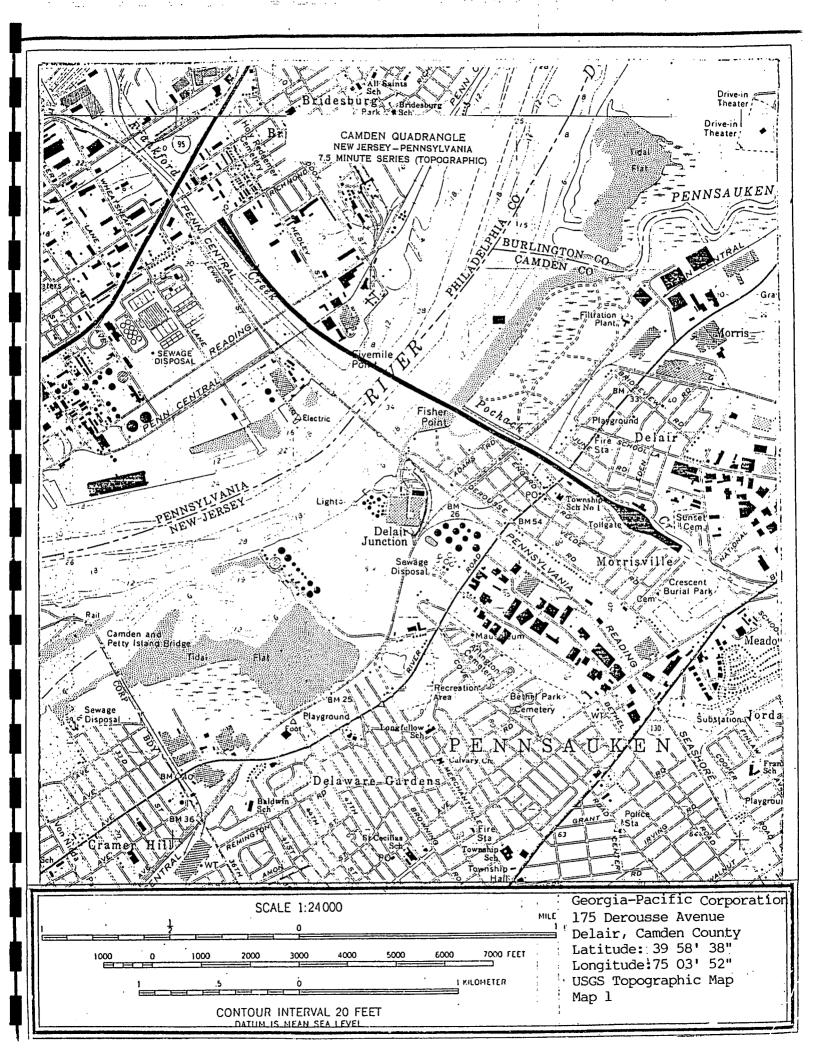
The NJDEP, Division of Water Resources, Bureau of Industrial Discharge Permits is the current lead for this site and is monitoring the site under the NJPDES program. The latest round of sampling of the aeration lagoon revealed no contamination in the plant effluent which is currently the only potential source of contamination at the site. In the near future the aeration lagoon will be replaced by an enclosed aeration tank and the majority of the plant effluent will be recycled back into the plant process.

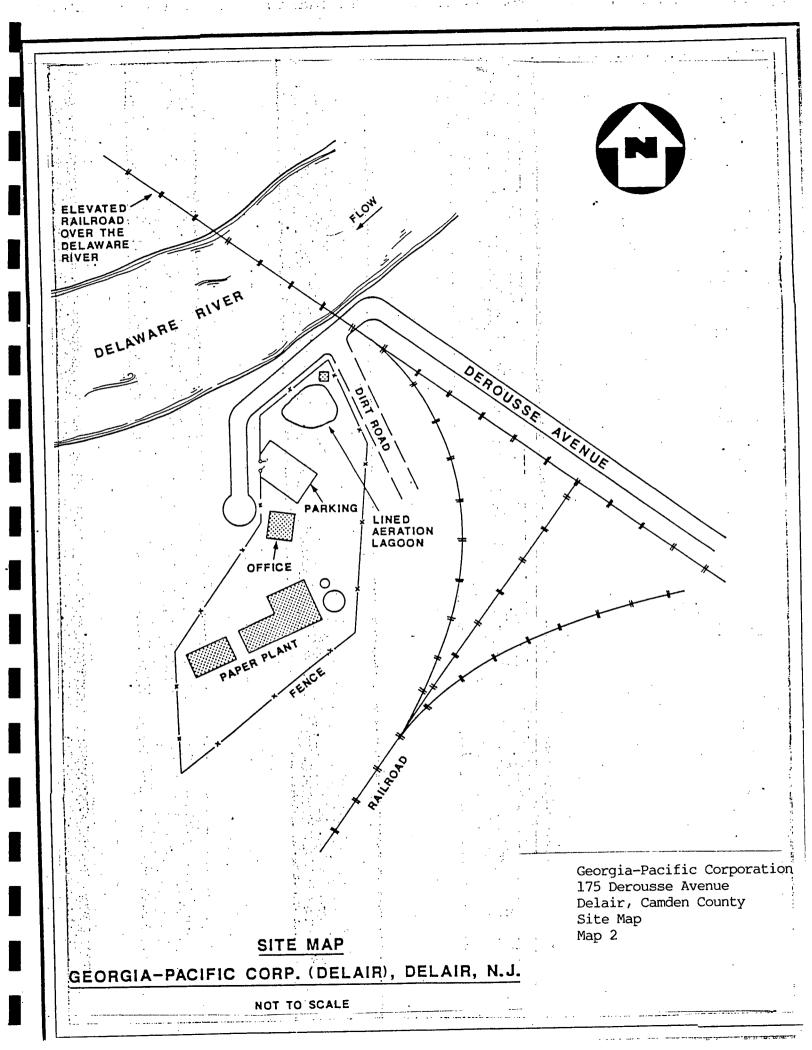
Currently the only hazardous waste generated at the site is waste oil which is stored indoors and is burned in the plant boilers. Solvents are used at the site in small quantities for the cleaning of parts but are not used in plant processes.

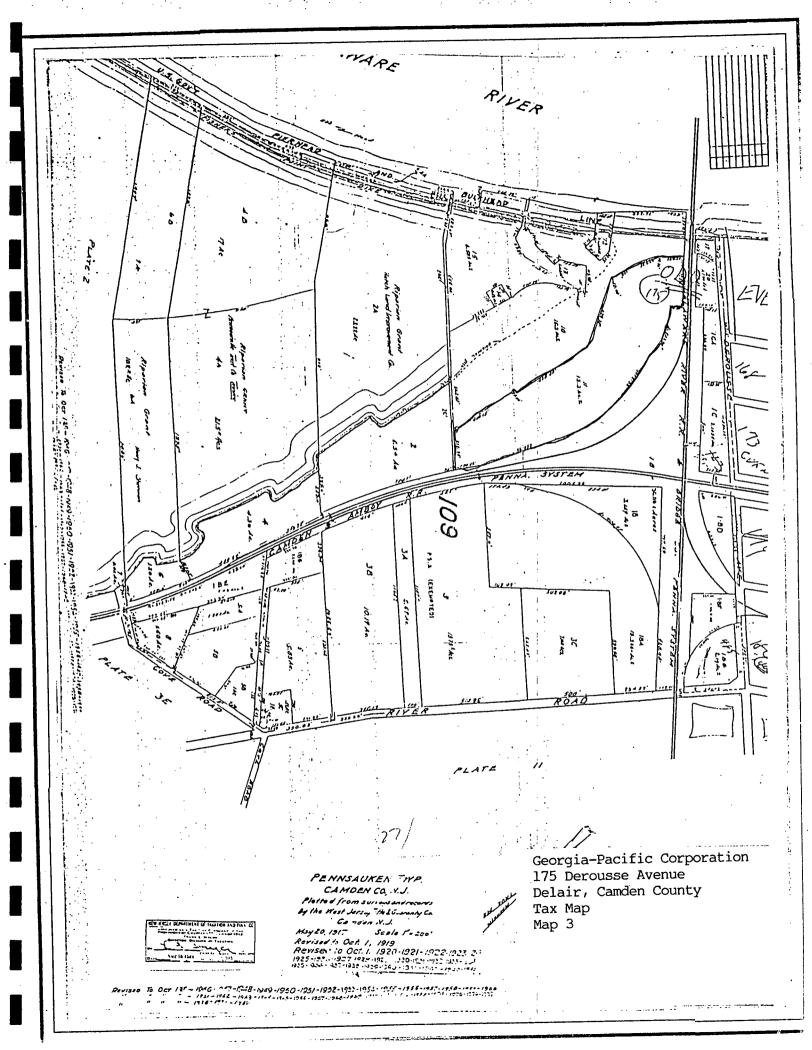
Based on the sampling data available and the information obtained during the file review, no further action is required pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) by the NJDEP, DHWM, Bureau of Planning and Assessment.

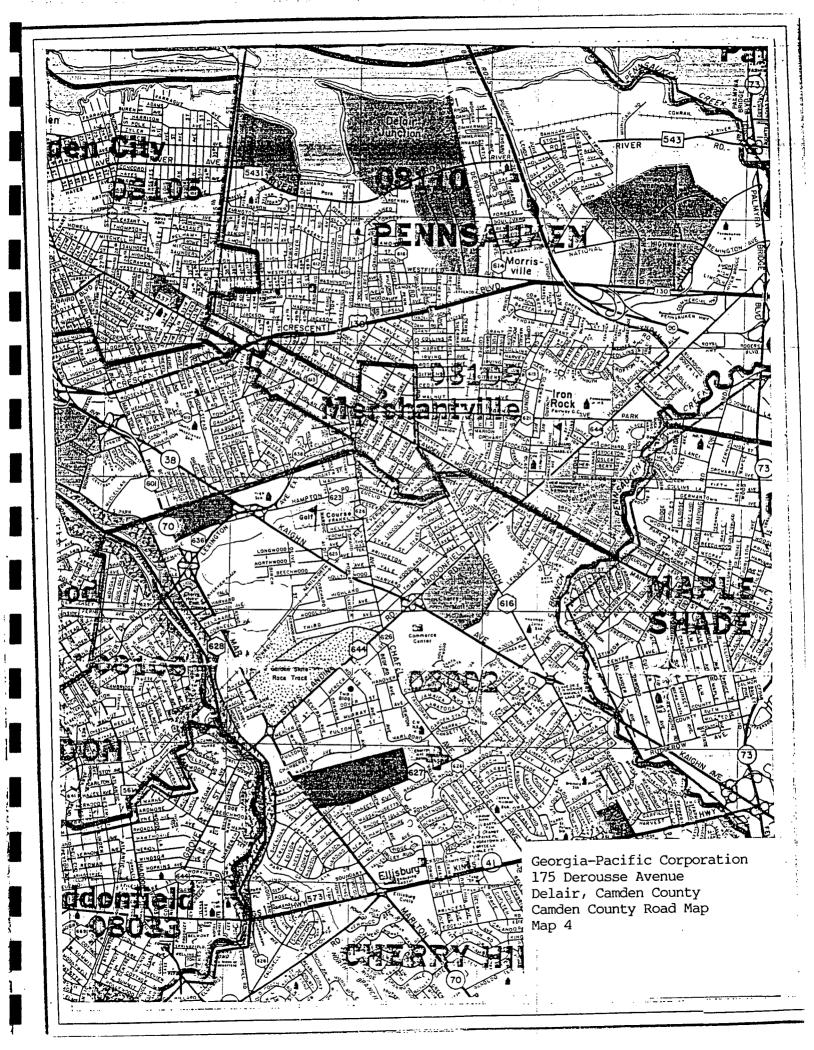
Submitted by:

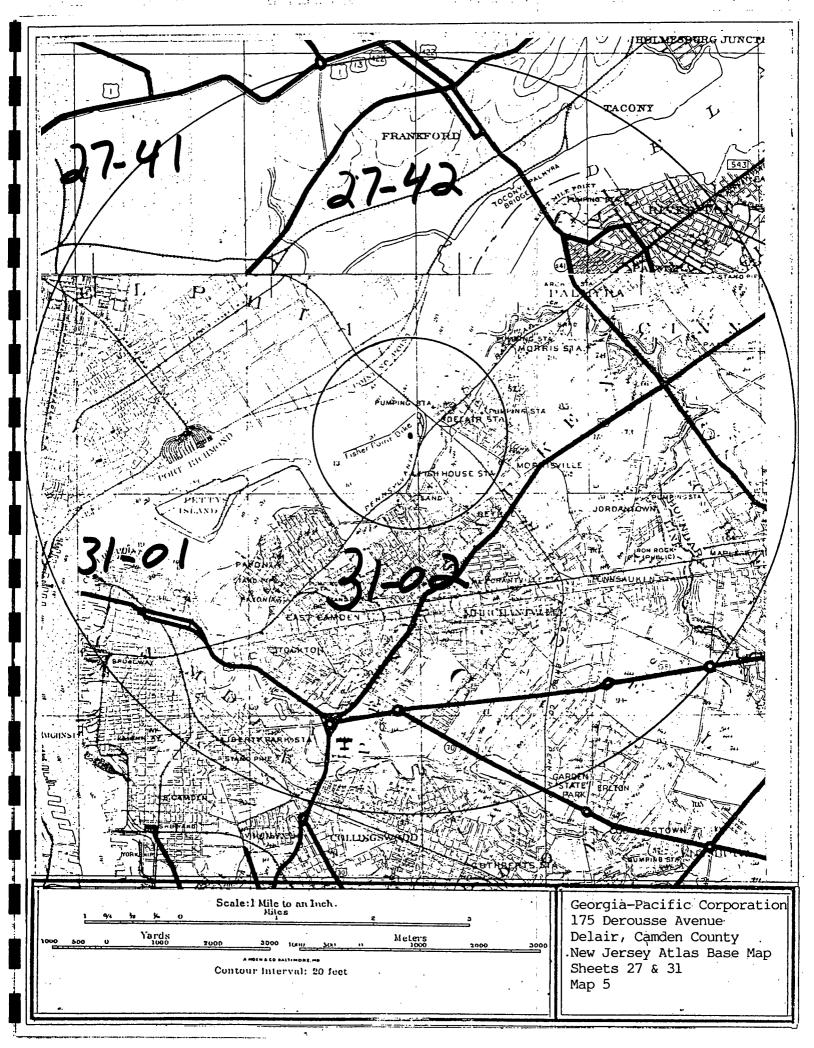
Michael Digiore, HSMS IV NJDEP/Bureau of Planning and Assessment June 1991 MAPS











# LEGEND FOR ATLAS SHEET 27

| •           | ^                  | INDUSTRIAL WELL YIELD OVE                              | P 70 GALLONS PER   | MINUTE   |
|-------------|--------------------|--|--|--|
|             | △ _                | INDUSTRIAL WELL TIELD OVE<br>PUBLIC SUPPLY WELL YIELD! | NG OVER 70 GALLO   | NS PER MINUTE  |
|             |                    |  |  |  |
|             |                    | UNSUCCESSFULL ROCK WELL Y                              |  |  |
|             | ⊙ –                | UNSUCCESSFULL SAND WELL Y                              | IELDING LESS THAN  | 70 GALLONS PER MINUTE  |
|             | <b>1</b> -         | NO TEST - NO DATA ON YIEL                              | D  |  |
|             |                    |  |  |  |
|             |                    | - FAULT (DASHED WHERE INFER                            | RRED)  |  |
|             |                    | - CONTACT (DASHED WHERE INFI                           | ERRED)   |  |
| È<br>CO     | ÓMONT<br>ASTAL: PI | PHYSIOGRAPHIC PROVINCE B                               |  |  |
|             | •                  | SEDIMENTARY ROCKS                                      | . N  | IETAMORPHIC ROCKS  |
|             |                    | TERTIARY -   |  | UNKNOWN ORIGIN   |
|             | T1                 | KIRKWOOD SAND  | Wgn  | WISSAHICKON SCHIST   |
|             | Tkw<br>Tht         | HORNERSTOWN MARL                                       |  |  |
|             | ••••               |  | •  | !  |
|             |                    | CRETACEOUS   |  | i.   |
| <u></u>     | Kns                | NAVESINK MARL MOUNT LAUREL SAND                        |  |  |
| . <b></b> . | Kmi<br>Kw          | WENONAH SAND   |  |  |
|             | Kmt                | MARSHALLTOWN FORMATION                                 | •  |  |
|             | Ket                | ENGLISHTOWN SAND<br>WOODBURY CLAY                      |  |  |
| ***         | Kwb<br>Kmv         | MERCHANTVILLE CLAY                                     |  |  |
|             | Km                 | MAGOTHY FORMATION                                      |  |  |
|             | Kr                 | RARITAN FORMATION                                      |  |  |
|             |                    | TRIASSIC   | ·  | and the second of the second o |
|             | Rb                 | BRUNSWICK FORMATION BEDS SIMILAR TO LOCKATONG          | FORMATION  |  |
| :           | RDQ<br>To          | LOCATONG FORMATION                                     |  |  |
|             | Rs                 | LOCATONG FORMATION STOCKTON FORMATION                  |  |  |
|             |                    | CAMBRIAN   |  |  |
|             | €h                 | HARDYSTON QUARTZITE                                    |  |  |
|             |                    | IGNEOUS ROCKS  |  |  |
|             |                    | TRIASSIC   |  |  |
|             | - TDAK             | DIABASE  | en de la companya de |  |
|             | Rbs                | BASALT   | 1. 1.<br>1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1  |  |
| :           |                    | PRECAMBRIAN  |  |  |
|             | gb                 | GABBRO   |  |  |
|             | bgn                | BYRAM GNEISS   |  |  |

### LEGEND FOR ATLAS SHEET 31

INDUSTRIAL WELL, YIELD OVER 70 GALLONS PER MINUTE

PUBLIC SUPPLY WELL YIELDING OVER 70 GALLONS PER MINUTE

UNSUCCESSFULL ROCK WELL YIELDING LESS THAN 70 GALLONS PER MINUTE

UNSUCCESSFULL SAND WELL YIELDING LESS THAN 70 GALLONS PER MINUTE

NO TEST - NO DATA ON YIELD

- FAULT (DASHED WHERE INFERRED)
- CONTACT (DASHED WHERE INFERRED)
- PHYSIOGRAPHIC PROVINCE BOUNDARY

WATER SUPPLY TRANSMISSION LINE

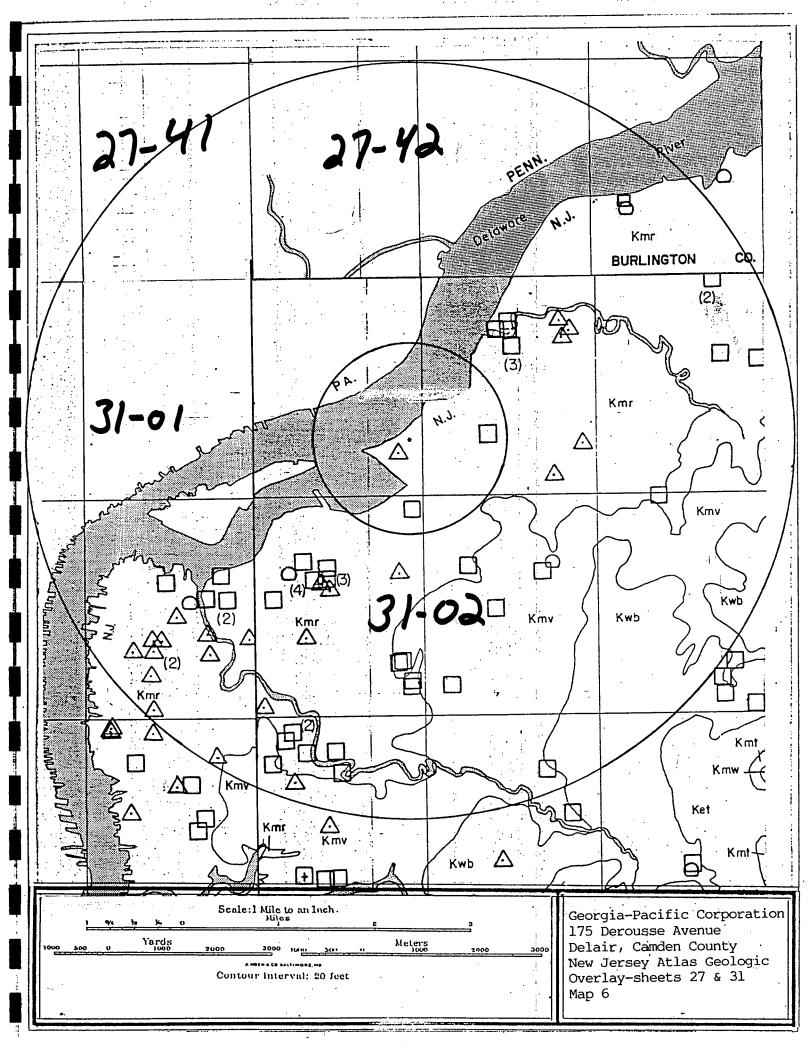
### SEDIMENTARY ROCKS

#### **TERTIARY**

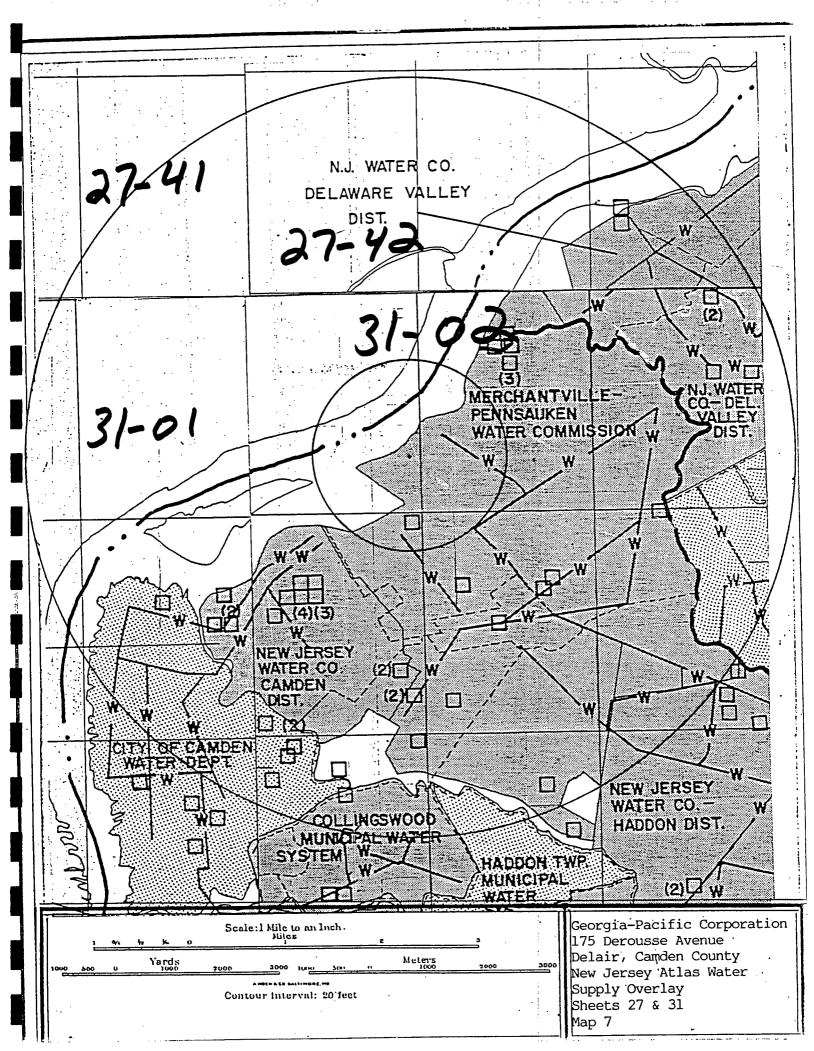
Toh BEACON HILL GRAVEL
Tch COHANSEY SAND
Tkw KIRKWOOD SAND
Tmq MANASQUAN MARL
Tvt VINCENTOWN SAND
Tht HORNERSTOWN MARL

#### CRETACEOUS

RED BANK Кгь RED BANK (TRANSITIONAL UNIT) Krbt RED BANK (GLAUCONITE SAND UNIT) Krba NAVESINK MARL Kns MOUNT LAUREL SAND Kml WENONAH SAND Kw MARSHALLTOWN FORMATION Kmt ENGLISHTOWN SAND Ket WOODBURY CLAY Kwb MERCHANTVILLE CLAY KMY MAGOTHY AND RARITAN Kmr FORMATIONS MAGOTHY FORMATION Km RARITAN FORMATION Kr



| n.   | AREA SERVED BY PRIVATE WATER SERVICE COMPANIES                     |
|--|--|
|  | AREA SERVED BY REGIONALLY OWNED WATER SERVICE COMPANI              |
|  | AREA SERVED BY MUNICIPALLY OWNED WATER SERVICE COMPANI             |
| WATER SUPPLY   | AREA NOT PRESENTLY SERVED BY WATER SERVICE                         |
|  | PUBLIC SUPPLY WELLS WATER MAIN ACROSS HIGHWA                       |
| Or .   | SURFACE WATER INTAKE   |
| —w—  | MAJOR WATER MAINS  |
| This   1   1   1   1   1   1   1   1   1   |  |
| (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)  |  |
|  | AREA SERVED BY PUBLIC SEWAGE SERVICE                               |
|  | AREA NOT PRESENTLY SERVED BY SEWAGE SERVICE                        |
| CEWACE LANDELL   | SANITARY LANDFILLS   |
| SEWAGE, LANDFILL   | SEWAGE TREATMENT PLANTS (CAPACITY < 0.3 mgd)                       |
|  | SEWAGE TREATMENT PLANTS (CAPACITY > 0.3 mgd)                       |
|  | MAJOR SEWAGE TRANSMISSION LINES                                    |
|  |  |
|  | - DRAINAGE BASIN BOUNDARY  |
|  | - RIVER BASIN BOUNDARY   |
| AINAGE BASIN HUDSON  | DRAINAGE BASIN NAME  |
| AMAGE BAGIN  | STREAMS AND RIVERS   |
| ÷  | FLOOD PRONE AREAS  |
|  |  |
|  |  |
|  | - COUNTY BOUNDARY  |
|  | - MUNICIPAL BOUNDARY POPULATION DENSITY IN PERSONS PER SQUARE MILE |
| POPULATION []  | AREA IN SQUARE MILES   |
| %  | PERCENT AREA OF MUNICIPALITY ON BLOCK                              |
| <del>- 1 - 1 - 1</del>   | MARKET ROADS   |
|  | BUILT UP AREAS   |
|  | - STATE BOUNDARY   |
|  |  |
|  |  |
|  |  |
|  |  |
| Same and the second sec |  |
|  |  |



#### I. Water Well Records

| •            | <b>£</b>   |         | Setting   |       |              |           |
|--------------|--|---------|-----------|-------|--------------|-----------|
|              | •  | Year '  | or Depth  | Total | g/m          |           |
| <br>Tanahdan | Owner  | Drilled | of Casing | Depth | <u>Yield</u> | Formation |
| Location     | OWIICE.  | 1963,   | 134-169   | 171   | 1000         | Kmr       |
| 31-01-652    | City of Camden, #5 H. Kohnstamm & Co., Inc.  | 1954    | 116-136   | 136   | 150          | 11 :      |
| 31-01-655    |  | 1953    | 130-141   | 153   | 100          | 11        |
| 31-01-656    | U.S. Gasker, #1  | 1950    | 82-113.   | 113   | 500*         | Kr'       |
| 31-01-657    | Savar Amusement Corp.  | 1949    | 118-138   | 150   | 200*         | 11        |
| 31-01-657    | Stanley Corp. of America   | 105/    | 116-136   |       | 1000         | 11 '      |
| 31-01-662    | City of Camden, #15  | 1953    | 155-170   | 175   | 1000         | 11        |
| 31-01-664    | Camden Water Dept., #1-A   | 1950 .  | 129-150   | 166   | 300          | 11        |
| 31-01-665    | City of Camden, Test Well #1 #14   | 1953    | 105-145   | 164   | 1000         | †1        |
| 31-01-665    | and the second of the second o | 1947    | 147-157   | 157   | 100          | 11        |
| 31-01-667    | Sungil Co.   | 1964    | 150-166   | 167   | 100          | Kmr       |
| 31-01-669    | Paris Produce Co.  |         | 102-123   | 128   | 315*         | 11        |
| 31-01-673    | Lintonia Pure Food Shop, Inc.  |         | 110-130   | 130   | 500*         | Kr        |
| 31-01-681    | Savar Amusement Corp., #2  | 1950    | 93-123    | 127   | 430*         | 11        |
| 31-01-681    | Camden Trust Co.   | 1949    |           | 152   | 600#         | 11        |
| 31-01-684    | Stanley Corp. of America   | 1949    | 110-130   | 138   | 600 -        | rt ·      |
| 31-01-687    | Savar Amusement Corp.  | 1949    | 114-134   | 170   | 1200*        | 17        |
| 31-01-691    |  | 1950    | 138-170   |       | 600          | 11        |
| 31-01-912    | Public Service Elec. & Gas Co.   | 1950    | 120-146   | 149   | 350          | tf        |
| 31-01-912    | , in   | 1954    | 113-145   | 145   | 1000         | 11        |
| 31-01-916    | City of Canden, #2-B   | 1953    | 111-136   | 204   |              | 11        |
| 31-01-921    | Stanley Corp. of America   | 1949    | 86-150    | 163   | 250*         | 11        |
| 31-01-928    | Samuel Adelson   | 1952    | 92-102    | 102   | 200          | 11        |
| 31-01-929    | Camden Water Dept.   | 1948    | 111-136   | 165   | 1012         | 11        |
| 31-01-934    | Liberty Theatre #1   | 1949    | 112-130   | 130   | 150          | tr        |
| 31-01-943    |  | 1951    | 82-103    |       | 350          |           |
| 31-01-956    | 17   | 1966    | 123-163   | 167   | 1023         | 11        |
| 31-01-961    | - 11   | 1942    | 124-154   | 166   | 1005         |           |

Screen

<sup>\*</sup>Indicates use as a recharge well.

J. Geodetic Control Survey monuments described in Index Map 48; Adjacent Index Maps 44,54

| I. Water We | ell Records                           | 1              |               |       |              |          |
|-------------|---------------------------------------|----------------|---------------|-------|--------------|----------|
|             |                                       | ·              | Screen        |       |              |          |
|             |                                       |                | Setting       |       |              |          |
|             |                                       | Year           | or Depth      | Total | _ g/m        | •        |
| Location    | Owner                                 | <u>Drilled</u> | of Casing     | Depth | <u>Yield</u> | Fc       |
| 31-02-195   | Paragon Oil Co., #1                   | 1961           | 51-61         | 61    | 100          | Kr       |
| 31-02-225   | City of Camden, #4-A                  | 1960           | 95-130        | 134   | 1585         | 11       |
| 31-02-227   | " #5-NA                               | · 1960         | 79-114        | 121   | 1520         |          |
| 31-02-228   | " <u>.</u> #3                         | 1953           | 73–107        | 136   | 1000         | 11       |
| 31-02-228   | <b>"</b>                              | 1953           | 89-124        | 141   | 1000         | 11       |
| 31-02-228   | #10                                   | 1960           | 75-115        | 118   | 1529         | <b>!</b> |
| 31-02-235   | Kingston Trap Rock                    | 1955           | 55–65         | 68    | 125          | "        |
| 31-02-238   | #2                                    | 1966           | 115-123       | 127   | 200          | 11       |
| 31-02-238   | Atlantic Blue Diamond Corp.           | 1958           | 100-110       | 110   |              | []       |
| 31-02-281   | City of Camden                        | 1975           | 140-180       | 190   | 1200         | 1        |
| 31-02-293   | Meadow Brook Swim Club                | 1963           | 97-107        | 107   | 200          | H        |
| 31-02-297   | H&H Industries                        | 1959           | 71-81         | 81    | 100          | 11       |
| 31-02-331   | Riverton-Palmyra Water Co.#16         | 1965           | 144-176       | 192   | 1034         | 11       |
| 31-02-331   | #13                                   |                | 166-197       | 206   | 610          | **       |
| 31-02-361   | Delaware Valley Water Co.,#28         | 1969           | 225-260       | 264   | 1200         | 11       |
| 31-02-363   | #31                                   | 1970           | 215-261       | 267   | 1002         | 11       |
| 31-02-419   | New Jersey Water Co.,#50              | 1958           | 139-170       | 176   | 1000         | * *      |
| 31-02-427   | #25                                   | 1961           | 305-367       | 399   | 1050         | "        |
| 31-02-433   | Merchantville-Pennsauken              |                |               |       |              |          |
| •           | Water Co.                             | 1968           | 109-139       | 139   | 882          | "        |
| 31-02-442   | City of Camden, Test #6               | 1954           | 153-175       | 181   | 210          | Kir      |
| 31-02-443   | New Jersey Water Co.,#44              | 1950           | 154-186       | 187   | 1400         | K:       |
| 31-02-443   | #45                                   | 1950           | 141-173       | 173   | 955          | 11       |
| 31-02-443   | #46                                   | 1950           | 148-178       | 179   | 1400         | 11       |
| 31-02-443   | "                                     | 1954           | 122-164       | 171   | 1412         | 11       |
| 31-02-444   | City of Camden, #16                   | 1954           | 149-179       | 181   | 1000         | **       |
| 31-02-449   | Savar Amusement Corp.                 | 1949           | 169-189       | 189   | 450          | 11       |
| 31-02-451   | H. Kohnstorm & Co., Inc., #5-A        | 1967           | 163-184       | 194   | 200          | 11       |
| 31-02-451   | 17                                    | 1959           | 133-158       | 158   | 250          | 11       |
| 31-02-451   | New Jersey Water Co., #52             | 1965           | 147-198       | 198   | 1404         | 11       |
| 31-02-451   | #38                                   | 1933           | 126-162       | 166   | 846          | 11       |
| 31-02-451   | #47                                   | 1953           | 159-175       | 177   | 1012         | 11       |
| 31-02-462   | Parks Dairies                         | 1958           | 154-170       | 172   | 200          | **       |
| 31-02-477   | Camden Co. Park Commission            | 1950           | 186-217       | 217   | 1200         | 11       |
| 31-02-492   | Merchantville-Pennsauken              |                |               |       | -            |          |
|             | Water Comm., #9                       | 1956           | 107-137       | 141   | 875          | 17       |
| 31-02-492   | #10                                   | 1963           | 223-258       | 262   | 1000         | 11       |
| 31-02-496   | "                                     | 1965           | 110-140       | 143   | 900          | 11       |
| 31-02-496   | "                                     | 1971           | 132-152       | 159   | 875          | 11       |
| 31-02-519   | " Test Well                           | 1963           | 118-138       | 160   | 400          | 11       |
| 31-02-5,37  | " ' Test Well #1                      | 1956           | 247-268       | 293   | 317          | 11       |
| 31-02-554   | #2                                    | 1962           | 245-285       | 300   | 1040         | 11       |
| 31-02-561   | #6                                    | 1957           | 242-277       | 283   | 1020         | 11       |
| 31-02-575   | Camden Co.Board of Ed.                | 1967           | 322-401       | 401   | 320          | 11       |
| 31-02-621   | Merchantville-Pennsauken              |                |               | 1     |              |          |
| Oz OZX      | Water Comm., #7                       | 1958           | 240-275       | 330   | 1000         | 11       |
| 31-02-692   | #8                                    | 1960           | 207-237       | 240   | 875          | 11       |
| 31-02-694   | · · · · · · · · · · · · · · · · · · · | 1960           | 371-453       | 497   | 1067         | 11       |
| 31-02-697   |                                       | 1961           | 112-167       | 186   | 1051         | 11       |
| 31-02-699   |                                       | 1967           | 376-427       | 430   | 1030         | 11       |
| JI 02 -033  |                                       |                | - · · · · · · |       |              |          |

|           | . 1                             |        |         | _   |      |           |
|-----------|---------------------------------|--------|---------|-----|------|-----------|
| 21 02 712 | City of Camden, Test #5         | 1953   | 205-225 | 277 | 280  | Kmr       |
| 31-02-712 | ii                              | 1953   | 185-225 | 243 | 1000 | 11        |
| 31-02-712 | <b>#</b> #17                    | 1954   | 230-265 | 274 | 1000 |           |
| 31-02-712 | "                               | 1953   | 90-115  | 123 | 1000 | 11        |
| 31-02-714 | Our Lady of Lourdes Hospital    | 1963   | 237-257 | 261 | 275  | 11        |
| 31-02-716 | Our Lady of Lourdes hospital    | 1950   | 111-131 | 136 | 210  | 11        |
| 31-02-718 | A. N. Stoll Werck, Inc.         | 1960   | 257-287 | 294 | 1000 | Kri       |
| 31-02-725 | Boro.of Collingswood, #3-R #2-B | 1960   | 248-278 | 308 | 1000 | Kmr       |
| 31-02-728 |                                 | 1955   | 143-164 | 164 | 100  | li.       |
| 31-02-754 | Friendship Dairy, #1            | 1964   | 307-333 | 370 | _    | 11        |
| 31-02-773 | Boro. of Collingerood Test #1   | 1961   | 83-103  | 115 | 250* | 11        |
| 31-02-774 | A.M.Ellis Theatres, Inc., 73    | 1965 . |         | 336 | 1034 | 11        |
| 31-02-781 | Boro.of Collingswood, "B"       | 1965   | 219-312 | 331 | 1034 | 11        |
| 31-02-782 |                                 | 1956   | 96-111  | 111 | 150  | 11        |
| 31-02-837 | New Jersey National Guard       | 1967   | 431-451 | 451 | 302  | 11        |
| 31-02-857 | Morgan Brothers, Inc.           | 1955   | 112-122 | 122 | 70   | 11        |
| 31-02-865 | Joe's Trailer Camp              | 1965   | 417-448 | 455 | 1000 | tf        |
| 31-02-879 | Twp. of Haddon, #4              | 1956   | 432-469 | 490 | 800  | <b>†1</b> |
| 31-02-879 | #3                              | 1966   | 142-162 | 165 | 200  | 11        |
| 31-02-887 |                                 | 1      | 401-479 | 481 | 870  | 11        |
| 31-02-887 | " New #1                        | 1968   | 490-510 | 510 | 350  | 11        |
| 31-02-898 |                                 | 1965   | 307-372 | 380 | 1029 | 3.0       |
| 31-02-899 | 11                              | 1967   | 321-378 | 405 | 1001 | 11        |
| 31-02-982 | New Jersey Water Co.,#23        | 1960   | 491-527 | 527 | 1200 | 11        |
| 31-02-982 | #13                             | 195B   | 232-243 | 243 | 90   | 11        |
| 31-02-986 | _ 1 ~                           | 1957   | 737-743 | 243 | ,,   | •         |

<sup>\*</sup>Indicates use as a recharge well.

J. Geodetic Control Survey monuments described in Index Map 48; Adjacent Index Maps 44,49,54,55

WATER WITHDRAWAL POINTS AND NJGS CASE INDEX SITES WITHIN 5.0 MILES OF:

SUBJECT TO REVISION

LATITUDE 395838 LONGITUDE 750352

DRAFT

SCALE: 1:63,360 (1 Inch = 1 Mile)

× WATER WITHDRAWAL POINTS

NJGS CASE INDEX SITES

1 MILE AND 5 MILE RADII INDICATED

NJGS CASE INDEX DATA RETRIEVED FROM: NEW JERSEY GEOLOGICAL SURVEY ON 12/22/87

PLOT PRODUCED BY:
NJDEP
DIMSSON OF WATER RESOURCES
BUREAU OF WATER ALLOCATION
CN-029
TRENTON, NJ 08625
DATE: 04/24/91

750000 750800 400200 ×110051055₩/ **→** BU0008 0 12 5 ر 5195 م x 2142P x 5195 × 5195 <sub>×</sub> 5173 xd1995 <sub>x</sub> 5173 x 10580W 2217F 2217F 2217P 5121 x 10252W \* Bringer × 5173 × 10465% x 1136D x 2038P \* 218B × 105434 x 5173 8 727 × 517\$ 0 268 × 5305 ×4027PS 450 × 10456W **/**5190 x 10108W 0595W × 10363W ¥ 5203 395600 ×5302 ×5302 ×5302 × 10250W × 10434₩ x 5302 o 1077 10434W <sub>x</sub>,52053 <sub>x</sub> 5302 ♦ 990 x 10372W # 5203 £209

SUBJECT TO REVISION

| Page                 | 1 of PRELIMINARY SURVEY OF WATE  | ER WITHUNFARE FUI   | TALE WILLIAM            |   | - L                  |       | –        |              |          |              |            |      | • •            |
|----------------------|--|---------------------|-------------------------|---|----------------------|-------|----------|--------------|----------|--------------|------------|------|----------------|
|                      |  |                     | LOCID                   | LAT   | LON                  | HATT: | DISTANCE | CILINTY      | MIN      | DEPTH        | GED1       | BECZ | CAPACITY       |
| NUMBER               | NAME   | SOLFCEID            | للاسانيا                | <u></u> ,   | ,                    |       |          |              |          |              |            |      |                |
|                      |  |                     |                         | 395532  | 750525               | F:    | 3.8      | C7           | 08       | 257          | GOR        | •    | 250            |
| 10004491             | CLR LADY OF LOWEDES MED. CENT.   | 3104620             | 1                       | _ ,   |                      | F     |          | 07           | 15       | 401          | GOR.       |      |                |
| † ()1 () <b>⊆</b> €J | DAMDEN DO VOC. & TECH. SOMOCLS   | 3105137             | 1                       |   | 750344               |       |          | 07           | 27       | 150          | G TR       |      | 200            |
| 102500               | RIGHER ELETACE FREE SCHOOL   | 3117984             | 1                       |   | 750413               | Ţ     |          | 07           | 27       |              | GOR        |      |                |
| 1002200              | SCHWEVITZ, LLCAS   | 3103332             | 1                       |   | 750218               | T     |          | 07           | 27       |              | eor.       |      |                |
| à Carconer           | SCHARVITZ. LUCAS   | 3103437             | 73                      |   | 750215               | Ŧ     |          |              | 27       |              | GOT:       |      |                |
|                      | SCHAEVITZ, LUDAS   | 3103444             | 3                       |   | 750218               |       |          | 07<br>07     |          | 179          | GOTE:      |      | 400            |
| 6 (NOCA 79))         | CHERRY HILL INN  | U KNOWY             | 4                       |   | 750136               | Т     |          | 07           | 16       |              | GOF:       |      | 300            |
| 10365W               | The second section of the second seco | 2700238             | LAYNE 1                 | 400125  | 745908               | T     |          | <u>.5</u>    | 08       | 136          | Gran       |      | చంద<br>చర      |
| 10.3540              | FOEBANAES CORP./RIVERTON PLANT   | VELLPOINTS          |                         | 400125  | 745910               | IJ    | 5.2      | 05           | 08       | 13           |            |      | 300            |
| s visiting the d     | MERGYN EROTHERS. INC.  | 3105138             | 1.                      | 395444  | 750309               | F     |          | 07           | 16       | 451          | GWR<br>GWR |      | 300            |
| 1 OCT 200            | GARDEN STATE RACE TRACK, INC.  | 5100094             | <del>-</del>            | 395514  | 750213               | T     | 4.2      | 07           | 09       | 154          | ST         |      | 400<br>400     |
| 7 / x2-75484         | BARDEN STATE RACE TRACK, INC.  | 5100095             | 2                       | 395500  | 7502XX               | M     |          | 07           | 09       | 150          | <b>9</b> € |      |                |
|                      | CONTRO CHEMICAL CO. INC.   | 5100154             | 1 .                     | 375435  | 750505               | F     | 3.0      | 07           | OE       | 140          | SAM        |      | 400            |
|                      | ELK ASPACITATEST BANK OIL  | DELAWFE             | RIVER - ·               | 39 <b>575</b> 0 -   | 75/0500              | F     | 1.4      | 07           | 27       |              | EDDEL      |      | -              |
| 1046EW               | SYCAMORE RIDGE APARTMENTS  | 3127629             | 3                       | Z9 <b>572</b> 5   | 7501E1               | ï     | 2.3      | 07           | 27       |              |            |      | 45             |
| 10549W               |  | 13129179            | 3                       | 395846  | 750027               |       | 3.0      | 05           | 19       |              | ⊕¢∓.       |      | 50             |
| 10580W               | STAR GAS SERVICE   |                     | •                       | 395±18  | 750007               | T     | 4.2      | ೦ವ           | 19       |              |            |      |                |
| 10595W               | SENTILE, ALBERT JR/FRODUCE JNT   | DEWATERING          | DEVIATERING             | 7   | 745930               | 7     | 4.0      | 05           | 22       | 24           | GDD11      | (BOW | 127            |
| 1136D                | MOORESTOWN TOWNSHIP  |                     | 7                       | 395735  | 750535               |       | 1.9      | 07           | 08       | 194          | GCR        | 1    | 180            |
| 203 <b>2</b> P       | EENERAL COLOR CO.  | 3119275             | ,<br>£                  | 395719  | 750507               |       | 1.9      | 07           | 03       | 154          | ek:R       | ~ .  | 0              |
| •                    | GATAL DILGR CO.  | 3105064             | =<br>1A                 | 4000002   | 750004               | 5     | 3.7      | 05           | 31       | 117          | GOR.       |      | 500            |
| 21425                | RIVERTON COUNTRY CLUB  | 3118429             | in<br>T                 | 395945  | 750008               |       | 3.5      | G5           | 31       | 174          | GOR        |      | 500            |
|                      | RIVERTON COUNTRY CLUB  | 2704844             | 4                       |   | 750.27               |       | er; 1    | 07           | ÓΩ       | 103          | ©!?VE?     |      | E00:           |
| 21485                | MAC ANDREWS & FOREES COMPANY   | 3100290             | 1                       | 375507  | 750745               |       | 5.4      | 07           |          | 99           | 다아타        |      | 350            |
|                      | MAC ANDREWS & FORBES CONFANY   | 5100025             | 2_                      | 39 <b>55</b> 00   | 750743<br>750728     |       | 5.1      | 07           | 08       | 140          | SOR        |      | 350            |
| -                    | MAC ANDREWS & FORBES COMPANY   | 3123580             | 25                      | 375508  |                      |       | 5.2      | 07           | 03       | 2.10         | 20DEL      |      |                |
|                      | MAC ANDREWS & FORESS COMPANY   | DELYMARE RIVER      |                         | 395506  | 75/07/40             |       | 4.4      | 05           | 22       | 272          | CHIME      |      | 500            |
| 22172                | CAMPBELL BOLF COMPANY  | 71-2715             | 1.                      | 395939  | 745050               |       | 4.0      | 05           | 22       | 255          | GMA        |      |                |
|                      | CAMPEGLL BOLF OLMFANY  | 3103673             | 2 RED-MARGE             |   | 745915               |       | 4.2      | 05           | 22       | 259          | EKMEK      |      |                |
|                      | CAMPBELL SELF COMPANY  | 310367 <del>4</del> | 1 OPS.                  | 395842  | 745905               |       |          | 03           | 08       |              | SDEEL      |      |                |
| 4027E5               | GENERAL ELECTRIC/GDED  | DELAWARE RIVER      |                         | 395452  | 750754               |       | 4.1      | 05           | 22       | <b>ಪರ್ಜಿ</b> | BOR        |      | 1000           |
| 5121                 | MICHESTOWN TOWNSHIP  | 3105200             | 7                       | 395229  | 745721               |       |          |              | 24       | 152          | GOT:       |      | 875 ,          |
| 5173                 | PERCHANTVILLE FENERALIZEN MATER  | 3105441             | EFCMING1A               |   | 750404               |       |          | 07           | 27<br>27 | 147          | GWR        |      | 700            |
| C-1.7-C-             | MERCHANTVILLE-PERVEALIKEN WATER  |                     | DEL 6450 2              |   | 7E0417               |       | 0.8      | 07           | 27       | 279          | GOR        |      | 1000           |
|                      | VEND-NAMAITTE-LEVARATAEN MOLEK   |                     | MARION 1                | 395720  | 750ZZ                |       | 2.0      | 07           |          | 2.7<br>2±2.  |            |      | 1000           |
|                      | MERCHANTVILLE-FENNSHLKEN WATER   |                     | MARION 2                | - 395711  |                      | )     |          | - 07 -       | - 27 -   |              | GOT:       |      | . 1999.<br>900 |
|                      | MERO-KATVILLE-FEMBALKEN WATER  |                     | BECANING 2A             | . 395428  | 750404               |       | 2.5      | 07           | 27       | 140          |            |      | 1000           |
| -                    | MERCHANTVILLE FENNSAUKEN WATER   |                     | NATL HWY 1              | 395902  | 750152               | 5     | 1.9      | 07           | 27       | 231          | GOR.       |      | 1005           |
|                      | MERCHANTVILLE FEMERILAEN WATER   |                     | PARK AVE 1              | 395200  | 750117               | ,     | 2.4      | 07           | 27       | 274          | B¢rF(      |      | 1000           |
|                      | METCHATTVILLE FEMSALASIA WATER   |                     | PARK AVE Z              | 395300  | 750119               |       | 2.4      | 07           | 27       | 252          | GOT!       |      | e destruction  |
|                      | MENDHATVILLE-FBANSALKEN MATER  |                     | PARK AVE 3              | 395801  | 750119               | ₽     | 2.3      | 07           | 27       | 277          | GOR.       | ۳,   | 1000<br>1005   |
|                      | MERCHANTVILLE FENNSAUKEN WATER   |                     | PARK AVE E              | 395800  | 750120               | ) .   | 2.3      |              | 27       | 270          | GOR        |      |                |
|                      | PERCHANTVILLE FONSALKEN WATER  |                     | PARK ALE 6              | 39 <b>575</b> 5   | 750127               | 7     | 2.3      |              | 27       | 270          | GOR        |      | 1000           |
|                      | MERCHANTVILLE-FENNSAUREN WATER   |                     | NATL HMY I              | 395915  | 750125               | Ξ,    | 2.3      | 07           | 27       | 211          |            |      | 1000           |
| pn a m.n.            | MAPLE SHADE TOWNSHIP   | 3100060             | 2                       | 395725  | 745914               | 4     | 4.3      |              | 19       | 125          | 90R        |      | 140            |
| 5190                 |  | 3106020             | 8                       | 395727  | 745915               | 5     | 4.3      | 05           | 19-      |              | ant<br>G   |      | 750            |
|                      | MOFILE SHADE TOWNSHIP  | 3108722             | . 9                     | 395630  | . 45 EEE             | ₿     | 5.0      | <b>75</b>    | 19       |              | E CONTR    |      | 1000           |
|                      | MAPLE SHADE TOWNSHIP   | 3109913             | 10                      | 35550   | 745EE.               |       | 5.0      | 05           | 19       | 523          | CON        |      | 1500           |
|                      | MARIE SHADE TOWNSHIP   | 3112775             | li                      | 395727  |                      |       | 4.3      | . 05         | 19       |              | (attiff)   |      | 1250           |
|                      | MERLE SHADE TOWNSHIP   | _                   | 14\E\4\E\4\E\4\         |   | 74581                |       |          | 05           | 08       | 109          | GMR        |      | 1000           |
| 5195                 | NEW JERSEY-AMERICAN WATER CO.  | 3104697             | SEVENETER.              |   |                      |       |          | 05 ·         | OB       | 225          | GOR        |      | S00            |
|                      | NEW JERSEY-AMERICAN WATER CD.  | 3104733             | 10 FOMONA               |   |                      |       |          | Œ            | 09       | 281          | GATE       |      | -B00           |
|                      | NEW JERSEY-AMERICAN WATER CD.  | SIOTEIS             | 12 FEMERA               | TEMPERATURE<br>TO A SERVICE TO A S | 74592                |       |          | 05           | ೦Յ       |              | Ent (ME)   |      | 700            |
|                      | NEW JERSEY-PRERIDAN WATER CO.  |                     | 28 STEFFE               | ಸಹಿಸಿದ್ದಾರೆ.<br>ಟಿಲಿಸಿದಿಗಾರಿಯ ಟ   | 75,000<br>75,000     | e F   |          | . <i>0</i> 5 | 03       |              | Gioff      |      | 1000           |
|                      | FEW JERSEY-AMERICAN WATER CO.  | 3107723             |                         | 。 コナリアにか<br>い サロギロから  | 75000                | 4 F   |          | (5           | ିଞ       |              | GPT:       |      | 1000           |
|                      | NEW JERSEY-AMERICAN WATER CO.  | 3105417             | 3: STEPHE)<br>13H1GHLAN | . <i>დუცუს</i> ლ<br>ი გაიგიბი   | , russoni<br>rr=rond | a F   |          | 05           | 08       |              | GMR        |      | 700            |
|                      | NEW JERSEY-AMERICAN WATER CO.  | 310/1575            | نا الشيئاتين 11تن. 1    | U ASSUMUNUM U   | . A NORTH PROPERTY   | ·     | · · · ·  |              |          | -            |            |      |                |
|                      |  | •                   |                         |   |                      |       |          |              |          |              |            |      |                |

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2 of PRELIMINARY SURVEY OF WATER WITHDRAWAL POINTS WITHIN 5.0 MILES OF 375838 LAT. 750352 LON. (IN OFDER BY PERMIT NUMBER) - (4/24/91

| F'ade                | 2 of PRELIMINARY SLEWLY OF WATER WITHDRAWAL POINTS WITHIN 5.0 MILES OF 395838 LAT. 750352 LON. (IN GROEN BY PERMIT MIRESER) - 04/24/91 |                    |                      |                                       |                  |       |            |          |            |            |              |      |               |   |
|----------------------|--|--------------------|----------------------|---------------------------------------|------------------|-------|------------|----------|------------|------------|--------------|------|---------------|---|
|                      | ₩₩ <u></u>   | SOLFCEID           | LCCID                | LET                                   | LON              | LLACE | DISTANCE   | LLLINTY  | MLF4       | DEPTH      | Œ01          | em   | CAPACITY      |   |
|                      | NEW JERGEY-AMERICAN WATER CO.  | 3104854            | 27HIG-LAYD           | 400002                                | 75/XX44          | F     |            | 05·      | 03         | 176        | GOR<br>GOR   |      | 1000<br>700   |   |
|                      | NEW JERSEY-AYERICAN WATER CO.  | 3103456            | EW)                  | 395726                                | 750512           | F     |            | 07       | 08         | 170        | GOR          |      |               |   |
| 5201                 | NEW JERGEY-KABRICAN WATER CO.  | 3104780            | 51                   | 395720                                | 750513           | F     |            | 07       | OE         | 192        | GOR          |      | 1300<br>1050  |   |
|                      | NEW JERSEY-AMERICAN WATER CO.  | 3.104947           | 52                   | 395715                                | 750519           | Ĺ     |            | 07       | 03         | 192        |              |      | 1000          |   |
|                      | NEW JERSEY-AMERICAN WATER CO.  | 3118947            | 53.                  | 395728                                | 750502           | F     |            | 07       | 08         | 194        | GOF:         |      | 1000          |   |
|                      | HEW JEPSEY-AMERICAN WATER CO.  | 3112944            | 54                   | 375731                                | 750459           | F     |            | ି7       | 09         | 195        | G 7R         |      | 1050          |   |
|                      | NEW JEFREY-AMERICAN WATER CO.  | 3120270            | 55                   | 395718                                | 750518           | .=    |            | 07       | ©€         | 175        | e of         |      | 1050          |   |
| 5203                 | NEW JERSEY-AYERICAN WATER CO.  | 3104051            | COLLMBIACO           | 395409                                | 750029           |       |            | 07       | 09         | 453        | GOT.         |      |               |   |
| التخاطيات            | HEW JERSEY-AMERICAN WATER CO.  | 3104274            | COLLMBIA24           | 3,95409                               | 750028           |       |            | ログ       | ୍ର         | 167        | GOF:         |      | 700<br>• 070  |   |
|                      | NEW JERSEY-AMERICAN WATER CO.  | 3105033            | COLLYBIA51           | 395409                                | 750028           |       |            | 07       | 09         | 427        | ere          |      | 1050<br>1050  |   |
|                      | NEW JERGEY-AMERICAN WATER CO.  | 5100007            | KINGSTONZS           | 395458                                | 745929           |       |            | 07       | <i>∴</i> ? | 357        |              |      | 970           |   |
|                      | PEN JERSEY-AVERICAN WATER CO.  | 3104669            | KINGSTUNG7           | 395458                                | 745924           |       |            | 07       | 09         | 417        | GUR          |      |               |   |
|                      | PEN JERSEY-AMERICAN MASS CO.   | 3104742            | KINSSTONZ8           | 395458                                | 748929           |       |            | 07       | 09         | 207        | GMR          |      | 540<br>-000   |   |
|                      | HEW JERSEY-AVERICAN WATER OC.  | 3100484            | ELIE 13              | 395442                                | 750100           |       |            | 07       | 09         | 527        | G (MF)       |      | 1000          |   |
|                      | NEW JERSEY-AMERICAN WATER CO.  | 3103305            | - ELIS 16 "          | 375441                                | 750100           |       |            | 07       | 09         | ZZ0.       | E M          |      | 1180          | - |
|                      | NEW JERSEY-AMERICAN WATER CO.  | 3104098            | ELLIS 23             | 375440                                | 750100           |       | 5.2        | 07       | O.G.       | 375        | EMA          |      | 1200          |   |
| 5209                 | CTILINGBACOD BOPOUGH   | 3104053            | 2R                   | 375519                                | 750.432          |       |            | 07       | 12         | 281        | <b>301</b> ₹ |      | 700<br>200    |   |
|                      | ON I INSPUGIOD BURGLEH   | 3104054            | 3R                   | 395522                                | 750432           |       |            | 07       | 12         | 290        | edy:         |      | 370<br>370    |   |
|                      | THE LINESWOOD BURGLEH  | 5100030            | 4                    | 395521                                | 75.0435          |       |            | 07       | 12         | 304        | GOR (        | \    | 370<br>450    |   |
|                      | COLLINGSWOOD ECROLON   | 3100079            | 5                    | 395521                                | 750439           |       |            | 07       | 12         | 311        | SOF          | ~. , | 1000          |   |
|                      | CTALINGSWEED ECACLEH   | 5100051            | 6                    | 393526                                | 750424           |       |            | 07<br>07 | 12<br>12   | 281<br>312 | GOA<br>GOAR  |      | 1000          |   |
|                      | COLLINGSWICED ECROLICH   | 3104799            | 7                    | 395521                                | 750439           |       |            | 07       | 12         | 312        | GOR          |      | 1000          |   |
|                      | COLLINGBADED ROFOLIGH  | 3104797            | 9                    | 395426                                | 750514           |       | 5.0<br>5.0 | 07<br>07 | 12         | 015        | 211_00       |      | 1000          |   |
|                      | COLLINESWOOD HORULEH   | NEW ION CASES      |                      | 395425                                | 700515           |       |            | 07       | 27         | 107        | GOR.         |      | 1600          |   |
| EE/0/2               | CANDEN CITY. WATER DIVISION  | 5100050            | MCER18 1             | 395944                                | 750211           |       | 1.7<br>1.5 | 07       | 27         | 107        | GOR          |      | 1900          |   |
| The Court of Manager | CAMDEN CITY. WATER DIVISION  | 31009/15           | MEFRIB 3             | 395733                                | 750225           |       | 1.3        | 07       | 27         | 134        | æ∵R:         |      | 1600          |   |
|                      | CAMBEN CITY, WATER DIVISION  | 3104252            | MIRKIS 4             | 395929                                | 750250           |       |            | 07       | 27         | 138        | SMR          |      | 3 700         |   |
| •                    | CHARLEN CITY, WHITER DIVISION  | 5100051            | PERSIS 4             | 355700                                | 750319           |       |            | 07       | 27         | 175        | GWF:         |      | 1680          |   |
|                      | CAMIDEN CITY, WATER DIVISION   | 5100052            | MERRIS 7             | 395915                                |                  |       | _          | 07       | 27         | 129        | GOTE         |      | 1570          |   |
|                      | CAMPEN CITY, WATER DIVISION  | 3100944            | MORRIS S             | 375910                                |                  |       |            | 07       | 27         | 118        | SOF          |      | 1400          |   |
|                      | CAMDEN CITY, WATER DIVISION  | 3104251            | MERRIS 10            | 395919                                | 750302<br>750313 |       |            | 07       | 27         | 249        | CHAR         |      | 1670          |   |
|                      | CAMDEN CITY, WATER DIVISION  | 5100076            | MORRIS 9             | 395904                                |                  |       |            | 07       | 27         | 122        | eor          |      | 2030          |   |
|                      | CAMDEN CITY, WATER DIVISION  | 3116914            | MDFF(18 12           | 395914<br>395900                      |                  |       |            | 07       | 27         | 149        | GUA          |      | 2030          |   |
|                      | CAMDEN CITY, WATER DIVISION  | 3115745            | MORRIS 11            | 375700<br>375705                      |                  |       |            | 07       | 27         | 135        | GOR          |      | 2050          |   |
|                      | CAMDEN CITY, WATER DIVISION  | 3114813            | MORRIS 13            | 395946<br>395946                      |                  |       | 0.2        |          | 27         | 141        |              |      | 1680          |   |
|                      | CAMDEN CITY, MATER DIVISION  | T5100053           | 42744                | 375851                                | 750356<br>750356 |       |            | 07       | 27         | 145        | ⊕.∳F         |      | 1630          | Ī |
|                      | CAMDEN CITY, WATER DIVISION  | 5100054            | DELAIR 2<br>DELAIR 3 | 375253<br>375253                      |                  |       | 0.3        |          | 27         | 135        | BOYE         |      | 1630          |   |
|                      | CAMPEN CITY, WATER DIVISION  | 5100055            | PLO-MOK 1            | 395645                                |                  |       | 0.5        | 07       | 27         | 141        | EKONFK!      |      | 1500          |   |
|                      | CAMDEN CITY, WATER DIVISION  | 5100056            | FUCHACK 2            | 375842                                |                  |       | 0.6        | 07       | 27         | 169        | G OM         |      | 1000          |   |
|                      | CAMDEN CITY, WATER DIVISION  | 5100057            | PUCHFOX 3            | 395840                                |                  |       | . 0.7      | 07       | 27         | 176        | GIOTE:       | •    | 1280          |   |
|                      | CAMDEN CITY, WATER DIVISION  | 5100058            | FUCHACK 5            | 39 <b>58</b> 35                       |                  |       | 0.6        | 07       | 27         | 186        | GOR          |      | 1324          |   |
|                      | CAMDEN CITY, WATER DIVISION  | 5100059            | FLO-HOX 7            | 395835                                |                  |       | 0.7        | 07       | 27         | 180        | <b>⊕%</b> F: |      | 22 <i>5</i> 0 |   |
|                      | CAMEEN CITY, WATER DIVISION  | 7108526A           | CITY 7               | 395457                                |                  |       | 4.9        | 07       | æ          | 153        | æ⊙≅          |      | 1500          |   |
|                      | CAMDEN CITY, WATER DIVISION  | 5100050            | CITY 11              | 375512                                |                  |       | 4.6        | 07       | 08         | 159        | E-WE         |      | 1010          |   |
|                      | CAMBEN CITY, WATER DIVISION  | 5100061            | CITY 13              | 395557                                |                  |       | 3.4        | 07       | 08-        | - 230      | · BOR        |      | 1200          |   |
|                      | CAMPEN CITY, WATER DIVISION  | 3100704            | CITY.17 .            | د المحمد المانية<br>المرازية المعمدات | 75053            |       | 3.4        |          | 09         | 270        | emr          |      | 1500          |   |
|                      | CAMDEN CITY, WATER DIVISION  | 3101 <b>25</b> 0   | CITY 18              |                                       | ) /B/E3          |       |            | 07       | 08         | 270        | Con          |      | 1200          |   |
|                      | CAMEEN CITY. WATER DIVISION  | 3107574<br>3104649 | CITY 5               |                                       | 75064            |       |            | 07       | 03         | 171        |              |      | 1100          |   |
|                      | CAPDEN CITY, WATER DIVISION  |                    | WEODRINE             |                                       |                  |       |            | 07       |            | 293        | <b>GM</b> R  |      | 1000          |   |
| 5305                 | PERCHANTVILLE-FEMERALIEN   | 3104642<br>3114563 | WEGDEINE             |                                       | 2 75030          |       |            | 07       | 24         |            | GOF:         |      | 1000          |   |
|                      | MERCHANTVILLE-FEVENUEN   | 3114563<br>FOND 1  | POND 1               | 40003                                 | 3 74594          | 5 F   |            | 05       | œ          |            | SDDEL        |      | EKKO          |   |
| EUCCUE               | HINTER, JOHN   | STREAM 1           | STESM 1              | 37590                                 | 5 75001          | 5 F   |            | 0.00     | 24         |            | EIF/AN       |      |               |   |
| H_0055               | FARM SOLD  | FOND 1             | FGAD 1               | 39590                                 | 5 75001          | 5 F   | 3.2        | 05       | 24         | 15         | ₩ŒT          |      |               |   |
|                      | FAFTH SCLID  | a much halast as   | a tare service.      |                                       |                  |       |            |          |            |            |              |      |               |   |

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ATTACHMENT A

## PART IV: SITE SUMMARY AND RECOMMENDATIONS

Georgia-Pacific Corporation is an active 19-acre site located in Delair, Camden County, New Jersey. The property is bounded by Derousse Ave. to the northeast, Penn Central railroad to the southeast, industrial property to the southwest, and the Delaware River to the northwest. The property is located in an industrial area, approximately 0.20 mile from residential areas. The property is owned by Georgia-Pacific Corporation. This facility is a paper recycling operation. Raw waste paper is brought to the site where it is shredded. Waste plastic and metal are removed from the shredded paper; the paper then enters a wet process which mulches it into a slurry with water. It is then rolled and dried to produce a heavy grade paper backing for gypsum wallboard. The wastes from this process, sludge and wastewater, are pumped to a lined aeration lagoon. Process wastewater and storm water go through screening and primary clarification; 95 percent of this effluent is recycled back to the plant. The remaining 5 percent of the effluent goes to the lined lagoon for aeration/stabilization and secondary clarification; the water from this process is discharged into the Delaware River. Sludge from both clarifiers is recycled back into the wet paper process.

Until 5 or 6 years ago, sludge from the aeration lagoon was landfilled at the Pennsauken Township landfill. There is also an abandoned lagoon on site, believed to be south-southeast of the lined lagoon. The size of this lagoon, construction, years of use, and the type and quantity of waste it may have contained are unknown. The only hazardous waste currently stored on site by Georgia-Pacific is waste oil from lubricating/cooling processes. Waste oil is collected in 55-gallon drums and stored for a period of 1 day to 2 months; then it is fed directly back into the facility's boilers.

A report was filed with the New Jersey Department of Environmental Protection (NJDEP) in November 1977 regarding hazardous waste dumping at Georgia-Pacific. An inspector found a waste pile approximately 150 ft by 100 ft by 5 ft. Twice a year this waste was taken to the Cinnaminson landfill. Georgia-Pacific was informed by the NJDEP that it is illegal to store waste for more than 90 days and that the situation should be remedied. A followup inspection in December 1977 found the waste pile gone and a dumpster on site to hold the waste.

There have been two reported spills at Georgia-Pacific. The first spill, in April 1986, involved 20 gallons of Hercon 32 (a sizing compound, resin, and water-soluble waterproofing agent) that spilled on the ground. The proper authorities were notified. Cleanup involved soaking up the spill with

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ATTACHMENT B

| II. SIC CODES (4-digit, in order of priority)  | A CONTRACTOR OF THE PROPERTY O | and the first secretary and an experience   |   | May enteres programmed transfer, and a second  |
|--|--|---|---|--|
| The property of the second of A. FIRST Control of  | - 1  | (specify  | B, SECOND   | <u> </u>   |
| (specify)  | <u> </u>   |   |   |  |
| Paper board mill   |  | 16 ( - 19 19 )<br>One for resumed for the first of  | D. POURTH   | A STATE OF THE STA |
| (specify)  | c<br>in  | (specify  | ,   |  |
| 1  | हेर् <i>।</i><br>त.इ.  | 18 - 19   |   | . 40   |
| III. OPERATOR INFORMATION  | the state of the s | e ja ja eega ka sa  |   | B. is the name listed in   |
|  | A. NAME  |   | <del>, , , , , , , , , , , , , , , , , , , </del>                             | item VIII-A also the   |
| <del></del>  | 7 0 D D D A TT   | TON   |   | □ YES □ NO   |
| G. E. O. R. G. I. A. P. A. C. I. F. I. C.  | C, O, R, P, O, R, A, T   | yes a supplication  |   | - 19-90 C 66 (1997) - 19-90 C  |
| C. STATUS OF OPERATOR (Enter the appropria   | te letter into the answer bo   | x; if "Other", specify.   | ) , and suppose PHO   | NE (area code & πο.) 📆 💥   |
| F = FEDERAL M = PUBLIC (other than federa  | l or state) p (speci)  | <i>[y]</i>  | A 5 0 3   | 2 2 2 5 5 6 1  |
| S = STATE O = OTHER (epecify)  | Market State Control of the Control  | The second of the second se | 11 11 11  | 10 - 21 22 - 20  |
| E. STREET OR P.O   | BOX  |   | Television in the second  |  |
| 9 0, 0, S. W F. I. F. T. H A. V  | E, N, U, E,  |   |   |  |
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| Attach to this application a topographic map of the outline of the facility, the location of each treatment, storage, or disposal facilities, and ea water bodies in the map area. See instructions for  | ch well where it injects r precise requirements.   | fluids undergroun   | scharge structures, each d. Include all springs, r                            | rivers and other surface   |
| XII. NATURE OF BUSINESS (provide a brief description   |  |   |   | ;  |
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| EXIII. CERTIFICATION (see instructions)  | and the second second  |   | $\mathcal{L} = \{ \{ \{ \{ \} \} \mid \{ \{ \} \} \mid \{ \{ \} \} \} \} \} $ | 44 - 14 M. M. 19 - 11.   |
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| certify under penalty of law that I have pers<br>attachments and that, based on my inquiry   | of those persons imme  | diately responsible   | for obtaining the infor   | mation contained in the .<br>Legalties for submitting .  |
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ATTACHMENT B-2

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| - SPACE FOR ADDITIONAL PROCESS CODES OR F | R DESCRIBING OTHER PROCESSES (code " $T04$ "). FOR EACH PROCESS ENTERED HERE |
|---|--|
| INCLUDE DESIGN CAPACITY.                  |  |

| DESCRI |  |  |  |
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- EPA HAZARDOUS WASTE NUMBER Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- UNIT OF MEASURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate

| ENGLISH UNIT OF MEASURE CODE | METRIC UNIT OF MEASURE CODE |
|------------------------------|-----------------------------|
| POUNDSP                      | KILOGRAMSK                  |
| TONS                         | METRIC TONS                 |

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

#### D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code/s/ from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility. For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the that characteristic or toxic contaminant.

extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter

"included with above" and make no other entries on that line. 3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated ounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

|             | $\overline{}$     | Α. |    |     | Ī | of that waste. From the control of t |                                    | UN |                         | D. PROCESSES |   |   |   |      |  |   |   |   |   |   |                     |
|-------------|-------------------|----|----|-----|---|--|------------------------------------|----|-------------------------|--------------|---|---|---|------|--|---|---|---|---|---|---------------------|
| LINE<br>NO. | H /<br>W /<br>(er | AZ | TE | R D | ᆡ | B. ESTIMATED ANNUAL<br>QUANTITY OF WASTE   | OF MEA-<br>SURE<br>(enter<br>code) |    | 1. PROCESS C<br>(enter) |              |   |   |   | s co | DES 2. PROCESS DESCRIPTION (if a code is not entered in $D(1)$ ) |   |   |   |   |   |                     |
| X-1         | K                 | 0  | 5  | 1   | 4 | 900  |                                    | P  |                         | T            | 0 | 3 | D | 8    | 0  |   | ı | • | - | 1 | 1. (4.章)            |
| X-2         | D                 | 0  | 0  | 1   | 2 | 400  |                                    | P  |                         | T            | 0 | 3 | D | ) 8  | 0  | ) | 1 | 1 |   | 1 |                     |
| X-3         | D                 | 0  | 0  | 1   | 1 | 100  |                                    | P  | 1                       | T            | 0 | 3 | L | ) 8  | 3 0  | ) | - | 1 |   | 1 |                     |
| X-4         | D                 | 0  | 1  | ) ; | 2 |  |                                    |    |                         |              | Т | 1 | T |      | 1  | 1 |   | 1 |   | 7 | included with above |

EPA Form 3510-3 (6-80)

PAGE 2 OF 5

CONTINUE ON PAGE 3 ATTACHMENT I

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| 25    | †       | †                         |     |                 |   |          |                       |                         |              |             | Г                |              | 1 1              |  | 1        | 1               |  |
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ATTACHMENT 8-5

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| V. FACILITY DRAWING  All existing facilities must include in the space provided of   | a page 5 a scale drawing of  | the facility (see instructions for n                                | nore detail).  |
|  | The second of th |   |  |
| VI. PHOTOGRAPHS  All existing facilities must include photographs (ac  | i have assumed found the   | at clearly delineate all existing                                   | g structures; existing storage,  |
| All existing facilities must include photographs (active treatment and disposal areas; and sites of future st  | torage, treatment or disp  | osal areas (see instructions fo                                     | r more detail).  |
| VII. FACILITY GEOGRAPHIC LOCATION  | Company of the second  | · 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.                            | State And State Section Section 2 to the Control of |
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| VIII. FACILITY OWNER  X A. If the facility owner is also the facility operator   | os listed in Section VIII on I   | orm 1, "General Information", I                                     | place an "X" in the box to the left and  |
| A. If the facility owner is also the facility operator skip to Section IX below.   | as listed in Section VIII on   |   |  |
| B. If the facility owner is not the facility operator  | or listed in Section VIII on F   | orm 1, complete the following i                                     | tems:  |
|  |  |   | 2. PHONE NO. (area code & no.)   |
| 1. NAME OF FA  | CILITY'S LEGAL OWNER   |   |  |
| Ē  |  |   | 55 56 - 58 59 - 61 62 - 65   |
| 11. 116  |  | 4. CITY OR TOWN   | 5. ST. 6. ZIP CODE   |
| 3. STREET OR P.O. BOX  | <u> </u>   |   |  |
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| IX. OWNER CERTIFICATION  | The same of the state of the second second   |   | The second second  |
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| submitted information is true, accurate, and com   | piece. I am aware muc o  | ere are significant penalities                                      |  |
| including the possibility of fine and imprisonmen  | R SIGNATURE  |   | C. DATE SIGNED   |
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ATTACHMENT C

October 14, 1982

Mr. John MacDonald, Legal Advisor General Enforcement Branch Enforcement Division U.S. Environmental Protection Agency Region II 26 Federal Plaza New York, New York 10278

Re: Hazardous Waste Interim Status Withdrawal Request Georgia-Pacific Corporation Delair, New Jersey Papermill EPA I.D. No: NJD 002514750

Dear Mr. MacDonald:

Since the inspection performed at the Delair papermill on December 3, 1981, and your subsequent letter of August 31, 1982, we have further evaluated our operation and have concluded that the "interim status" and Federal Part A application should be withdrawn. This conclusion is based on the following:

- 1. The initial Hazardous Waste Activity Notification and Federal Part A application were made in a protective manner since the regulations were new, complicated and consisted of serious implications.
- 2. Subsequent to these notifications, we have found that the wastes we listed are able to be reused and are not generated in quantities which cannot be shipped off-site within 90 days.
- 3. For the reasons noted in item 2, we have not used the facilities identified in the Federal Part A application for long-term storage of hazardous waste.

Therefore, we are requesting that the "interim status" for our Delair, New Jersey, facility be withdrawn. We do, however, wish to retain our generator status. Your written confirmation of these requests will be appreciated. If you have any questions,

Page 2 - Mr. John MacDonald

please contact me at 609/663-6015 or Gerald Ritter at 404/521-4652 in Atlanta.

Very truly yours,

John Kopp

cc: Mr. Gerald E. Ritter, GP-Atlanta Mr. Tom Taccone, EPA Permits Admin. Branch

ATTACHMENT C-L

ATTACHMENT D



#### State of New Jersey

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT 32 E. Hanover St., CN 027, Trenton, N.J. 08625

JACK STANTON DIRECTOR LINO F. PEREIRA
DEPUTY DIRECTOR

0 3 MAR 1983

Georgia Pacific Corp.
Gypsum Division
Derousse Avenue
Delair, NJ 08110
Attn: Joe Savage, Manager

RE: Facility Operating Status

Dear Sir:

The Bureau of Hazardous Waste Engineering has reviewed your company's response to the Notice of Violation, Failure to Submit Annual Report. The Bureau finds that the response contains adequate information to determine the operating status of this facility with respect to N.J.A.C. 7:26-1 et seq., the New Jersey Hazardous Waste Management Regulations. The Bureau has determined that the company's hazardous waste treatment, storage or disposal facility as delineated in the company's RCRA Part A application and identified by the following EPA ID Number:

#### EPA ID NO. NJD002514750

has been excluded from regulations under N.J.A.C. 7:26-1.1 et seq. because your facility accumulates hazardous waste on-site for less than 90 days. This exclusion classifies your facility solely as a generator provided the following conditions are complied with:

- All such waste is, within 90 days or less, shipped off-site to an authorized facility or placed in an on-site authorized facility, as defined at N.J.A.C. 7:26-1.4.
- 2. The waste is placed in containers which meet the standards of N.J.A.C. 7:26-7.2 and are managed in accordance with N.J.A.C. 7:26-9.4(d).
- The date upon which each period of accumulation begins is clearly marked and visible for inspection on each container.
- 4. The generator complies with the requirements for owners and operators of N.J.A.C. 7:26-9.6 and 9.7 concerning preparedness and prevention, contingency plans and emergency procedures as well as N.J.A.C. 7:26-9.4(g) concerning personnel training.

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ATTACHMENT 1)-1

- 5. For bulk accumulation of dry hazardous waste materials, the waste pile is managed according to the following:
  - (i) The waste pile is no larger than 200 cubic yards; and
  - (ii) The pile shall be placed on an impermeable base that is compatible with the waste; and
  - (iii) Run-on shall be diverted away from the pile; and
  - (iv) Any leachate and run-off from the pile must be collected and managed as a hazardous waste.

This written acknowledgement of the exclusion of the above identified facility from N.J.A.C. 7:26-l et seq. is based expressly on the review of the aforementioned correspondence. This letter makes no claim as to the extent and physical condition of the actual hazardous waste activities occuring at the site mentioned above.

Your company's hazardous waste facility above is no longer included in DEP's list of "existing facilities" (see N.J.A.C. 7:26-1.4 and 12.3) and therefore does not need to conform with the interim operating requirments of N.J.A.C. 7:26-1 et seq. for "existing facilities" which would include the TSD facility annual report. It is the company's responsibility to operate within the conditions listed above. To operate a hazardous waste facility without prior approval from the DEP is a violation of the Solid Waste Management Act N.J.S.A. 13:1E-1 et seq.

As a result of the conclusions previously made, the Notice of Violation entitled "Failure to Submit Annual Report" signed by Mr. David Shotwell is rescinded and need not be complied with.

If you have any questions on this matter, please call my office at (609) 292-9880.

Very truly yours,

Frank Coolick, Chief

Bureau of Hazardous Waste Engineering

FC: jb

cc Dave Shotwell
NJDEP, Division of Waste Management

Tom Taccone USEPA, Region II

ATTACHMENT E

#### NJDEP INSPECTION FORM

|                                  | 1, 2, 4.                        |
|----------------------------------|---------------------------------|
| Report Prepared for:             | letter fr                       |
| Generator / ON CY                | 313183                          |
| Transporter /                    | (see 3/3/83 letter from 7.      |
| HWM (TSD) facility               |                                 |
| :                                | •                               |
| •                                | Facility Information            |
| Name:                            | Georgia Pacific Corp Gypsom Die |
| Address:                         | Delair NJ                       |
|                                  | (Derousse ave)                  |
| Lot:                             | Block:                          |
| County:                          | Cauden                          |
| Phone:                           | Pro 110 100                     |
| EPA ID#:                         | WJ D002514750                   |
| Date of Inspection:              | 1 1                             |
|                                  |                                 |
|                                  | Participating Personnel         |
| State or EPA personnel:          | CHARLES N ELLINE NOORE          |
|                                  | ENVIRONMENTAL SPECIALIST        |
| Facility personnel:              | John Kopp                       |
|                                  | Water Quality Supervisor        |
| •                                | ;;                              |
| Report Prepared by <u>Name</u> : | CHARLES ELMENDORF               |
| Region:                          | SOUTH                           |
| <u>Telephone #</u> :             | 609 859-2958                    |
| Reviewed by                      |                                 |
| Date of Review                   |                                 |
|                                  |                                 |

ATTACHMENT E-1

|                        | FACI              | ILITY NAME: (~ | eorgia Pacific          | Corp  |
|------------------------|-------------------|----------------|-------------------------|-------|
|                        |                   | ADDRESS:       | De rousse Ave           | 1     |
|                        |                   |                | Delair                  |       |
|                        |                   | COUNTY:        | Canden                  |       |
| •                      |                   |                | NT D002514750           | )     |
|                        | DATE/ OF :        | INSPECTION:    | •                       |       |
|                        |                   |                |                         |       |
| PHOTOS TAKEN           | /_/ YES           | <u>/</u> ₩ NO  |                         | ·     |
| If yes, how many?      | <del></del>       |                |                         |       |
| SAMPLES TAKEN          | / YES             | / 07 NO        | NUMBER OF SAMPLES_      |       |
| NJDEP ID #             |                   |                |                         |       |
|                        |                   |                |                         |       |
| MANIFESTS REVIEWED     | /_/ YES           | 1 NO           | •                       |       |
| Number of manifests in | n compliance      | N/A            |                         |       |
| Number of manifests no | ot in compliance_ | N/A            | ,                       | ·     |
| List manife            | st document numbe | rs of those ma | unifests not in complia | ince. |

•35

#### Summary of Findings

### Facility Description and Operations

| Facility is basically a paper   |
|---|
| recycling plant. Raw weste paper (Kraft   |
| recycling plant. Rud weeks paper ( )  |
| bags, cardboard etc.) is brought in   |
| from various scources. The paper is then  |
| shredded, plastic and metal is separated out.   |
| The paper then enters a wet process which   |
| mulches the paper to a storry with water.   |
| Finally. The recycled poper is rolled   |
| and died. The Fruel product is a roll   |
| af heavy gaper used as a backing for  |
| Ovpsum board  |
| The facility has on-site treat ment plant   |
| for its waste water (premary & Secondary treatment)   |
| (1) de from the largon was once landfilled as   |
| Pelisahankin Tup landfill about 21 on 5 yrs ago   |
| according to I Koff. The stope studge is now being  |
| recycled into The paper G-P produces.   |
| The only waste generated by G-P is waste and  |
| C 1) The only wash grades of The conservable  |
| from lubricating/cooling applications in the pages mill, all waster oil is collected in drums, powered into a sepond a  |
| all waste oil is collected in drums, forest into a sport  |
| 400,000 gal fuel ail tank for boilers at the facility. The waste ail is therefore blended with good ail before it is borned.  Pach boiler is rated at 77 million BTU/HR. continued— |
| ail 15 Therefore Clerated at 77 million RTU HR a continued  |
| ATTACHMENT F-3  |
| of A Lite - Edition 1 A 1   |

| Describe th               | e activities that result in the generation of hazardous  |
|---------------------------|--|
| waste                     |  |
| <del></del>               | tinued)  |
| (                         | My Kopp was admired That such on-site  |
| re c                      | lamation of waste ail is exempt  |
| Fra                       | m regulation but that G-P should   |
| 11                        | intain their generator status in the   |
| e.~                       | ent their ERA ID # is needed.  |
|                           |  |
|                           |  |
| Identify th<br>quantities | ne hazardous waste located on site, and estimate the approximate of each. (Identify Waste Codes) |
|                           | varte ail approx 100 gala in divins  |
|                           | brevoled with good free ail for horters.   |
|                           | Fac. 7.7- generates appor + 2000   |
|                           | 1,000 to 2,000 gals waste ail/yr.  |
| <u> </u>                  | This is mixed in with good fuel ail which  |
|                           | is burned in on-site boilers, each   |
| . \                       | having a BTU rating of 77 × 10 6 BT  |
| -                         |  |
|                           |  |
|                           |  |
| :                         |  |
|                           |  |

Form DWM-029 3/84

## NEW JESSEY DEPARTMENT OF ENVIRONMENTAL F STECTION DIVISION OF WASTE MANAGEMENT

#### **INSPECTION REPORT**

| REPORT PREPARED FOR:     | . 211                                |
|--------------------------|--------------------------------------|
|                          | 04.27.17                             |
| ☐ Transporter            | U ·                                  |
| ☐ HWM (TSD) Facility     | •                                    |
|                          | FACILITY INFORMATION                 |
| Name:                    | GEORGIA - PACIFIC CORP / GYPSOM Div. |
| Address:                 | DEROUSSE Ave                         |
|                          | DELMIR MEW-JERSEY                    |
| Lot:                     | Block: <u>З м</u>                    |
| County:                  | Camper                               |
| Phone:                   | (609) 663-6015                       |
| EPA ID#:                 | N-T0002514750                        |
| Date of Inspection:      | SEPT 25, 1487                        |
|                          | PARTICIPATING PERSONNEL              |
| State or EPA Personnel:  | - ν                                  |
|                          |                                      |
| Facility Personnel:      | JOHN KOPP - GEORGIA PACIFIC          |
|                          | WHER QUALITY Superuison              |
|                          |                                      |
| Report Prepared by Name: | J. ALLER                             |
| Region:                  | South. I                             |
| Telephone#:              | ((009) 346-8000                      |
| Reviewed by:             | Teny W. Os rander                    |
| Date of Reviews          | 10114187                             |

Date of Review:



| •                    | FAC          | ILITY NAME:        | GEORGIA- PACIFIC CORP. |         |
|----------------------|--------------|--------------------|------------------------|---------|
|                      |              | ADDRESS:           | Derousse Ave.          |         |
|                      |              |                    | DELAIR, N.J.           | <u></u> |
| TIME IN: 1300 HOURS  |              | COUNTY:            | Campen                 |         |
| TIME OUT: 1600 Heurs |              | EPA ID :           | N1000514750            |         |
|                      | DATE OF      | INSPECTION:        | SEPT. 25, 1987         |         |
| PHOTOS TAKEN         | ☐ YES        | ⊠ NO               | I                      |         |
| If yes, how many?    |              | _                  |                        |         |
| SAMPLE TAKEN         | ☐ YES        | ⊠ NO               | NO. OF SAMPLES         |         |
| NJDEP ID #           | ·            |                    |                        | ٠       |
| MANIFESTS REVIEWED   | <b>⊠</b> YES | □ NO               | ·<br>•                 |         |
| Number of manifests  | in complian  | ce ALL             |                        |         |
| Number of manifests  | not in comp  | liance <u>אַסא</u> | JE                     |         |

List manifest document numbers of those manifests not in compliance.

#### **SUMMARY OF FINDINGS**

#### FACILITY DESCRIPTION AND OPERATIONS

| THIS GEORGIA-PACIFIC FACILITY IS A PAPER RECYCLING OPERATION.                  |
|--|
| RAW WASTE PAPER (KRAFT, BAGS NEWSPAPER, ECT.) IS BROUGHT TO THE                |
| SITE FROM UNRIOUS OUTSIDE SOURCES, THIS PAPER IS THAN SHEDDED, MLL             |
| PENSTIC AND METAL IS SEPERATED OUT. THE PAPER THAN ENTERS H WET                |
| PROCESS WHICH MUCHES THE PAPER INTO A SCURRY WITH WHITE THE REVOL              |
| PAPER IS THAN ROLLED AND DRIED THE FINAL PRODUCT BEING A HERVY CHARE OF        |
| PAPER USEC AS A BACKING FOR GYPSUM BORNE.                                      |
| THE FUCILITY HAS ON SITE TRENTMENT FOR IT'S WASTEWATER. THIS CONSISTS OF       |
| PRIMARY AND SECONDARY TREATMENT PROCESSES, SLUDGE FROM THE LACOON WAS ONCE     |
| LANDFILLED AT PENNSAUKEN TWO LANDFILL UP UNTIL 4-5 YEARS HOO ACCORDING         |
| TO I KOPP. THIS SLUDGE IS NOW BEING RECYCLED INTO THE PAPER PROVESS.           |
| THE CHLY WASTE NOW GENERATED BY GEORGIA-PACIFIC IS WASTE OIL FROM              |
| LUBRICATING/ COOLING APPLICATIONS IN THE PAPERMILL. ALL WASTE OIL IS COLLECTED |
| IN 55 GALLOW DRUMS. THESE DRUMS ARE STORED FOR IN SHORT PERIOD OF TIME         |
| AND THEN THE CONTENTS IS FED DIRECTLY INTO THE FOCULTIES BOILERS THIS          |
| STORAGE PERIOD MAY BE ANYWHERE FROM ONE (1) DAY TO TWO (2) MONTUS, DAWA        |
| ARE DATED TO RESURE STORAGE DOES NOT EXCEDE THE ALLOWNISH GO DRY STORAGE       |
| Previously This waste on the BEEN BLENDER INTO AN ON-SITE HOROCK GALLO         |
| FUEL OIL TANK PRIOR TO BEING BURNED IN THE BOILER.                             |
| GEORGIA PACIFIC HAS RECILIUSO FROM BHUSHE AN ON SITE RECYCLING                 |
| EXEMPTION FOR BURNING THIS WASTE - OIL IN THE FACILITY BOILER LETTER DATES     |
| 3 3-83),   |
|  |
|  |

| OUTINE MAINTENANCE               | OF IN HOUSE                           | HECHAPICAL         | - EQUIPMENT.              |  |
|----------------------------------|---------------------------------------|--------------------|---------------------------|--|
|                                  |                                       |                    |                           |  |
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|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  | •                                     |                    |                           |  |
| •                                |                                       |                    |                           |  |
| ntify the hazardous waste locate | ed on site, and e                     | stimate the approx | imate quantities of each. |  |
| ntify Waste Codes)               |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    | •                         |  |
| One (1) 55 GALLOW                | Drow or                               | WASTE OIL.         |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |
|                                  |                                       |                    |                           |  |

ATTACHMENT F



# State of New Jersey DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

CN 029 Trenton, N.J. 08625-0029

(609) 292-1637 Fax # (609) 984-7938

Jorge H. Berkowitz, Ph.D. Acting Director

Mr. Stephen Sherman Georgia Pacific Corporation Derouse Avenue Delair, New Jersey 08110

SEP 0 8 1989

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: Treatment Works Approval No. 89-2175-4N

Georgia Pacific Corp., Delair Plant, Camden County

NJPDES/DSW Permit No. NJ0004669

Dear Mr. Sherman:

Enclosed is a Treatment Works Approval (TWA) Construction and Operation permit issued pursuant to Title 58 of the Revised Statutes of the State of New Jersey and in consideration of your TWA application received on May 3, 1989, certified by Norman S. Pratt of Taylor, Wiseman and Taylor.

This permit is for Construction and Operation of a proposed aerated stabilization tank, an influent flow control tank and a pumping station, to be added to the facility's existing wastewater treatment system.

This approval does not relieve Georgia Pacific Corporation from compliance with any new, more stringent effluent limitations and/or conditions imposed in the renewal permit, or as a result of new/revised regulations being promulgated that may necessitate another addition or modification of the treatment system. In addition, a new TWA application would have to be submitted, and approval obtained from the Department, prior to beginning construction of any such modification.

If you have any questions regarding this permit, please contact Ben Manhas of my staff at (609) 292-4860.

Sincerely,

William F. Boehle, P.E., Acting Chief

Surface Water Section

Bureau of Industrial Discharge Permits

WFM195:rm

Enclosure

c: TWA Permit Distribution List

ATTACHMENT ---



# **Notice of Authorization**

PERMIT NO.

#### **ISSUANCE DATE**

#### EFFECTIVE DATE

#### **EXPIRATION DATE**

89-2175-4N

September 8, 1989

September 8, 1989

September 7, 1991

**ISSUED TO** 

GEORGIA PACIFIC CORPORATION DEROUSE AVENUE DELAIR, NJ 08110

#### FOR ACTIVITY/FACILITY AT

GEORGIA PACIFIC CORPORATION DEROUSE AVENUE DELAIR, NJ 08110

#### OWNER

GEORGIA PACIFIC CORPORATION DEROUSE AVENUE DELAIR, NJ 08110

#### **ISSUING DIVISION**

Water Resources

#### TYPE OF PERMIT

Treatment Works Approval-Construct and Operate

#### STATUTE(S)

APPLICATION NO.

N.J.S.A. 58:10A-1 et seq.

#### A PERMIT TO

Construct and operate the treatment works as proposed in the Treatment Works Approval application dated April 14, 1989. The proposed treatment works consists of an aerated stabilization tank, and influent flow control tank and a pumping station. Treated wastewater will be discharged to the Delaware River in accordance with the terms and conditions of the NJPDES/DSW Permit No. NJ0004669.

under Q. bfhister

Narinder K. Ahuja, P.E., Bureau Chief

DEP-008 (1/88) THIS NOTICE MUST BE CONSPICUOUSLY DISPLAYED AT THE ACTIVITY/FACILITY SITE.

New Jersey Department of Environmental Protection

State of New Jersey
Department of Environmental Protection
Division of Water Resources
401 East State Street, CN-029
Trenton, New Jersey 08625

# ADDITIONAL CONDITIONS FOR TREATMENT WORKS APPROVAL

In addition to the General Conditions on the reverse of Form WQM-004 of this Permit, this approval is subject to the following additional conditions:

- 1. That this approval is revocable according to N.J.A.C. 7:14A-2.12 and 12.6 and as provided in General Condition 1.
- 2. That no physical connection(s) shall be installed or permitted to exist between any unit or pipeline of any public potable water system and any unit or pipeline into or through which wastewater or effluent may discharge.
- 3. That the Department's review of the facility has been limited to engineering features of significance to applicable effluent limits or to protection of the environment. The full responsibility for adequate design, construction, and operation of the treatment works and the full responsibility for meeting all effluent limitations and conditions set forth in the NJPDES permit (NJ0004669) shall be on the applicant and/or permittee, as appropriate.
- 4. That the approval to construct and operate said works does not exempt nor shall it be construed to exempt the applicant from obtaining a stream encroachment pemit, if required pursuant to the provisions of N.J.S.A. 58:16A-50 et seq. and the regulations adopted for implementation of the same.
- 5. That this approval to construct and operate said works herein referred to does not exempt nor shall be construed to exempt the applicant from compliance with rules, regulations, policies, and/or laws of any agency or subdivision of this State having legal jurisdiction.
- 6. That the approval of plans and/or other data for said works shall remain in force for a period of not more than two years from the date of approval unless said works are constructed.
- 7. That no wastewater shall be treated by said works or portion thereof until a professional engineer licensed to practice engineering in this State has certified that the project has been inspected under his/her supervision and constructed

according to approved plans and specifications and that the works are adequate to meet all applicable Federal, Interstate, and State effluent limitations. Any significant changes in the plans and specifications approved herein will require a permit modification. Significant changes include, but are not limited to; changes to design parameters, changes to number, type or size of treatment process units, changes in the proximity of treatment units to surface water bodies, potable water lines, wetlands, etc. If any minor changes have been made "as-built" plans and specifications shall be submitted and certified by the professional engineer. The required certification shall be provided on the Professional Engineer Certification form attached to this approval.

Common Market Market Webs

n and and the second of the

- 8. That the operation of the works shall be under the supervision of a licensed operator from the first day of operation of the treatment works in accordance with N.J.S.A. 58:11-64 and amendments thereto. The operator shall meet the requirements for N2 classification or equivalent, pursuant to the provisions of N.J.A.C. 7:10-13.14.
- 9. That in accordance with N.J.A.C. 7:14A-12.17(b) the applicant shall submit a complete set of as built plans as well as operation and maintenance manuals prior to operating the wastewater treatment facility.
- 10. That no sewerage or industrial wastes shall be bypassed except in conformance with N.J.A.C. 7:14A-3.10(b) and that all sewerage or industrial wastes arriving at the treatment works to which the approval relates, shall be treated by each and every process comprising said treatment works.
- 11. If any provisions of this approval or the application hereof to any person or circumstances is stayed because of challenge or is held invalid, such stay or invalidity shall not effect other provisions or applications, and to this end the provisions of this approval are declared severable.

ATTACHMENT G

## NEW JESTSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### INCIDENT NOTIFICATION REPORT

| ☐ TRENTON DISPATCH ☐ DIV. OF WASTE MANAGEMENT ☐ DIV. OF ENVIR. QUALITY ☐ DIV. OF WATER RESOURCES  |
|---|
| □ HQ FIELD OFFICE: □ NORTHERN □ METRO □ CENTRAL SOUTHERN  |
| TIME REC'D PHONE  DATE 2141/1 18161 (Military) 1/101612 BY 460 NO   |
|   |
| INCIDENT REPORTED BY:  CASE NO. O O O O O O O O O O O O O O O O O O   |
| NAME James Buckley Hoyle PHONE 315-639-3910   |
| STREET 1000 Aniperial Ct  |
| CITY Ben salem STATE TH   |
| AFFILIATION Mattack, Inc. (Centra)  |
| NATURE OF INCIDENT:  EMERGENCY:   |
| NAME (Site) Georgia - Pacific Co UNK PHONE 663-6015   |
| STREET Derousse St  |
| CITY Delair COUNTY Camdem STATE ZIP CODE  |
| Matlack driver-coupling failed at ho he speedy dri applied well hose down and recycle driver system pare of incident: & HILIFILE TIME: OF ISE |
| ANYONE HOSPITALIZED YES NO POLICE AT SCENE YES NO   |
| AREA EVACUATED YES NO FIREMAN AT SCENE YES NO CONTAMINATION OF AIR LAND WATER ASSISTANCE REQUIRED YES NO                                      |
| PUBLIC EXPOSURE YES NO  |
| RECEIVING WATER POTABLE WATER SOURCE LIYES LINO WIND DIRECTION LOCATION TYPE CITY INDUSTRIAL RURAL  |
| SOURCE OF INCIDENT/PROBLEM: KNOWN UNKNOWN   |
| company name Same as 12 phone John Copt-Water quality Supt  contact Topeth Savage-Plant Super Title   |
|   |
| STREET  |
| CITY STATE ZIP CODE   |
| IDENTITY OF SPILLED AND/OR DISCHARGED SUBSTANCE: KNOWN UNKNOWN Herron 32-neutral size - made by through                                       |
| NAME OF SUBSTANCE  SUSTANCE SUBSTANCE CONTAINED YES NO UNKNOWN  |
| OFFICIALS NOTIFIED. (A-310)   |
| HEALTH DEPT .: PERSON CCHD LOIS KINCAID PHONE 957-8600 DATE 4-11-86   |
| LOCAL MUNIC.: PERSON PHONE DATE G-  |

ATTACHMENT H

Trube

# GEOLOGY AND GROUND-WATER RESOURCES OF CAMDEN COUNTY, NEW JERSEY

By George M. Farlekas, Bronius Nemickas, and Harold E. Gill

U.S. GEOLOGICAL SURVEY
Water-Resources Investigations 76-76

Prepared in cooperation with

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL

PROTECTION, DIVISION OF WATER RESOURCES



Camden County, New Jersey, is located in the Philadelphia-Camden metropolitan area. The western edge of the county is urban and industrial in character. The central part is less industrial and more suburban in character, and the castern part is sparsely populated and predominantly agricultural, although urbanization is advancing eastward quite rapidly.

Plain Coastal the Atlantic County is in Camden county Underlying the province. physiographic Quaternary, Tertiary, οf unconsolidated sediments consisting of mostly alternating sands, silts, Cretaceous age, and clays. The sediments dip gently to the southeast and thicken from 40 feet at the Delaware River to 2,900 feet at the Below the unconsolidated County line. Camden-Atlantic sediments is the pre-Cretaceous crystalline bedrock.

major fresh-water aquifers in Camden County are sands and gravels of Cretaceous and Tertiary age in the Potomac Group and the Raritan and Magothy Formations; the Cohansey Sand; and the Wenonah Formation-Hount Laure1! Englishtown Formation. Minor aquifers are found in parts of the Merchantville Formation, the undifferentiated Vincentown Formation. Kirkwood and the Formations, and Manasquan Saturated sands and gravels in the surficial deposits contact are commonly direct in where Ouaternary age hydraulically connected to the underlying aquifers.

The rate of ground-water withdrawal for Camden County was 68 mgd (million gallons per day) in 1966. This was the largest average annual county pumpage in the State in 1966. Eighty-five percent (56 mgd) was pumped from the aquifer system in the Potomac Group and the Raritan and Magothy Formations.

The potentiometric surfaces of all the major artesian aquifers in Camden County declined from 1900 to 1970 as a result of pumping. The largest decline occurred in the aquifer system in the Potomac Group and the Raritan and Magothy Formations. At Haddon Heights, in the western part of the county, the potentiometric surface declined about 110 feet for 1900 to 1968. The potentiometric surface of the aquiful Wenonah Formation-Mount Laurel Sand declined 43 feet 60 years in the vicinity of Berlin Borough.

The chemical quality of ground water in Camd

is generally satisfactory for most uses. Concentrations of iron greater than the State's potable-water standard of 0.3 some areas of the milligrams per liter are found in Potomac-Raritan-Magothy aquifer system, in scattered locations in the Wenonah Formation-Mount Laurel Sand, and in the Cohansey In general, higher values of dissolved solids, sulfate, and chloride occur in water in and near the outcrop of Potomac-Raritan-Magothy aquifer system than downdip in In the southeastern part of the county chloride concentrations in excess of 250 milligrams per liter can be found in the same aquifer system. The high chloride water has remained in the aquifer system from the time of deposition or has re-entered the system from the ocean after changes in sea level since Pleistocene time.

Contamination of water in the Potomac-Raritan-Magothy aquifer system in the Philadelphia area has created a potential water-quality problem for the Camden area near the Delaware River. Contaminated ground water in Philadelphia, with high concentrations of sulfate and dissolved solids, is moving under the Delaware River toward Eagle Point in Gloucester County near the Camden County line. Decrease of pumping in Philadelphia and simultaneous increase of pumping in Camden and Gloucester Counties tends to draw ground water from Philadelphia toward New Jersey.

The greatest potential for additional ground-water development in the county is from the Cohansey Sand which is generally an unconfined aquifer. The Cohansey also has the greatest possibility of ground-water contamination because of the local effect of wastes from suburban and industrial development and the shallow depth of the Cohansey aquifer.

#### Well-Numbering System

The well-numbering system used in this report are based on the system used by the U.S. Geological Survey in New Jersey. The well number consists of the county designation and a sequence number of the well within each county. New Jersey county codes are numerical two-digit codes. New Jersey county codes used in this report are Burlington (05), Camden (07), Gloucester (15), Mercer (21), and Salem (33). A representative well number is 15-137 for the 137th well indexed in Gloucester County.

#### Acknowledgments

The authors gratefully acknowledge the assistance of public officials, industry representatives, and individuals who permitted access to their wells for the collection of water samples and provided information on their wells.

#### GEOHYDROLOGY

The New Jersey Coastal Plain consists of a wedge of unconsolidated sediments which thickens and dips toward the Atlantic Ocean. The oldest of these sediments are the Potomac Group and Raritan and Magothy Formations of Cretaceous age, which overlie crystalline bedrock.

The Potomac-Raritan-Magothy aquifer system consists of aquifers composed of sand and gravel and confining units of silt and clay. The aquifer system crops out in a narrow 3-to-5 mile-wide band adjacent to the Delaware River in southwestern New Jersey. Three major aquifers have been defined within the aquifer system in most of the study area. A typical hydrogeologic section through the study area is illustrated in figure 2 (written communication, Otto S. Zapecza, U.S. Geological Survey, 1983).

The aquifer system is confined from below by crystalline bedrock and from above by the thick clay of Merchantville-Woodbury confining unit. The Merchantville-Woodbury confining unit is one of the least permeable confining units in the New Jersey Coastal Plain and limits vertical leakage into the aquifer system from overlying sediments southeast of the outcrop area.

The Potomac-Raritan-Magothy aquifer system is artesian, except in parts of the outcrop area, where the upper and middle aquifers are water-table aquifers. In New Jersey, the lower aquifer is thought to be confined but, in Pennsylvania, may be a water-table aquifer. The lower aquifer may also receive recharge vertically through the leaky confining unit between the middle and lower aquifers are similar in much of the Coastal Plain and are generally lower than potentiometric heads in the upper aquifer (Walker, 1983).

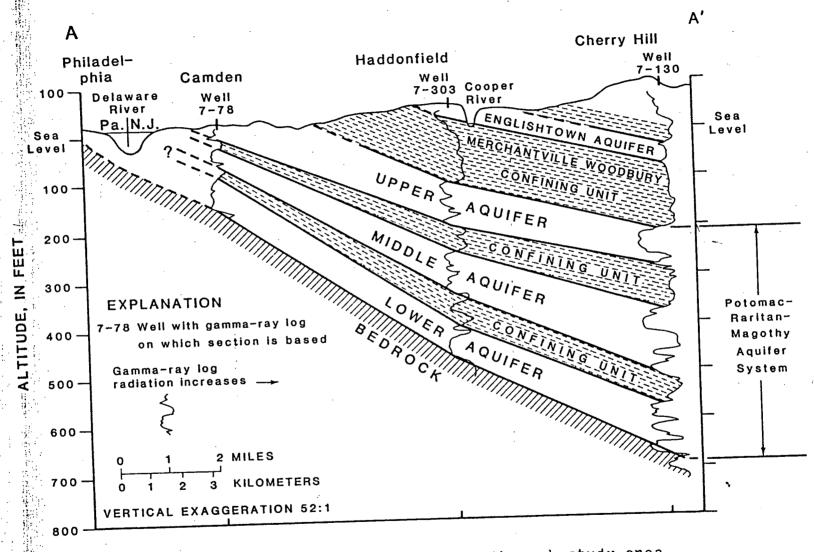


Figure 2.--Hydrogeologic section through study area.

Line of section shown on Plate 1.

of development from the lower aquifer in Philadelphia and present maps of the potentionetric surface for the early 1920's, 1940, 1945, and 1954. The pumpage was approximately 5 mgd in 1920, 15 mgd in 1940, and 23 mgd in 1945. Withdrawals from the lower aquifer in Philadelphia decreased in 1946 and 1947, but again increased to 23 mgd in 1951. The rate withdrawals declined after 1953 and pumpage in South Philadelphia in 1956 was 18 mgd. No recent complete inventory withdrawal from the lower aquifer in Philadelphia has been made. However, spot inventories at the U. S. Navy Base and head measurements in 1968 in a few wells in Philadelphia indicate a much lower pumpage. Many wells pumped in 1956 were no longer in use in 1968.

Recharge and Movement of Ground Water

As presented in the section on patterns of ground-water movement the movement of water in the Potomac-Raritan-Magothy aquifer system prior to pumpage was influenced by recharge in topographically high areas while the discharge areas were the Delaware River, and to some extent, the topographic lows or stream valleys which cut across the outcrop areas.

Recharge and movement of water Raritan-Magothy aquifer system was altered by the large amount of withdrawals, especially in the area near the Delaware River. As pumping increased the gradients were reversed in the water table and artesian aquifers near and under the Delaware River. Greenman and others (1961) suggest that induced recharge occurs from the Delaware River into the aquifers in Philadelphia. They compared the specific conductance of the water from a well located near the Delaware River and the specific conductance of the Delaware River. Fluctuations in specific conductance were similar except that there was a five-month time lag. Barksdale others (1958) give substantial evidence to show induced recharge from the Delaware River occurs in the heavily parts of the aquifer near the river. They cite three evidence; aquifer test οf results, fluctuations, and changes in chemical quality. An aquifer test temperature at the Morro Phillips tract in Camden City near the Delaware River indicated a recharge boundary under the river suggested that after two years of operation a well near the river would obtain 90 percent of its water from the river. Temperatures of water in a well near the river (at Beverly, Burlington County) change seasonally as does the temperature of water in the Delaware River. On the other hand the temperature of the water in a well several miles away from the river (at

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drge
the
crop

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he ry, of

Haddon Heights) remains essentially constant (Barksdale and others, 1958, p. 106-108). Changes in chemical quality of water from wells near the river were cited by Barksdale and others (1958) as evidence of induced racharge. Table 7 places the chemical quality data of two wells, located in Pennsauken Township, used by Barksdale and others (1958, p. 121-123) and also includes more recent data. The water-quality analyses dated 1924 (table 7) were for samples collected just after dated 1924 (table completion of the wells. As pointed out by Barksdale and others (1958) the dissolved-solids content of the water from located near the river, more than doubled well 1 (PE 13), 1953 while the quality of water from well 4 between 1924 and (PE 21), located one mile from the river, remained the same. Much of the water obtained from well l is induced river water; whereas, well 4 receives a much greater part of its water from the aquifer and a lasser amount of water from the Delaware River. Data from samples taken after 1953 from well 1 indicate improved quality for a period of approximately 13 years. This was followed by a decline in quality as evidenced by increasing chlorides, sulfates, and specific conductance. Chlorides were 27 mg/l (milligrams per liter) in 1969, an increase from 8.0 mg/l in 1963. Changes in the quality of the river water probably caused the variation in quality of water in the wells.

Recharge of the aquifer system downdip from the outcrop area is mainly from vertical leakage through overlying confining unit. In the area downdip of the outcrop there have been significant declines in the potentiometric surface--declines in excess of 100 feet at some locations. The those between heads in difference system and the overlying aquifer Potomac-Raritan-Magothy aquifers provides the driving mechanism for downward vertical leakage. The rate of vertical leakage is, with all other factors being equal, probably greater in the downdip area where large head differences occur. In the area near the outcrop the head difference is not as large, and thus the rate of vertical leakage is probably smaller. This area is also closer to the In addition to Delaware River, which is a recharge boundary. recharge of water through the confining units, significant amounts of water are released to the aquifer system from storage within the confining silts and clays in the Potomac Group and the Raritan and Magothy Formations and the overlying confining units.

An additional source of water lies outside of the political boundaries of Camden County. Water moves toward Camden from the adjacent areas outside the county line as the pumping cone of depression expands. Description of the regional pattern of ground-water flow for this aquifer system for the hydrologic unit in southern New Jersey has been studied

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

## GROUND WATER ANALYSIS - MONITORING WELL REPORT

| AME                                     | AME          |                   |                        |           | _  | _         |           | fic Corp.   | SV                          | N 10 | - N      | o.<br>—      |              |                |              |          | سيند               |        |          |               | _             |
|---|--------------|-------------------|------------------------|-----------|----|-----------|-----------|---|-----------------------------|------|----------|--------------|--------------|----------------|--------------|----------|--------------------|--------|----------|---------------|---------------|
|   |              | 7                 | ۲,                     | کړ.       | ۲  | 0         | <u> </u>  | Testina   |                             |      |          | _            |              |                |              |          | _                  | ==     |          |               | <u>-</u>      |
| 3]                                      | N            | 10                |                        | PO(       |    |           |           |   |                             |      | 1        | VE P         | ÷            | NO<br>B        | •            |          |                    | wo     | M U      | SE            |               |
| sch                                     | EDUI         | LE IN             | DIC                    | ATI       | ED | BE        | LO        | Monitoring Well No.   WH-  NO. WIN TO BE OBSERVED FROM   WO. YR. TO                   | 114871<br>NO. YE.           |      |          | •            |              |                |              |          |                    |        |          |               |               |
|   |              |                   |                        |           |    |           |           | SUBMIT WITH SIGNED T-YWX  | 014                         |      |          |              |              |                |              |          |                    |        |          |               |               |
| IAS<br>Š Š                              | MPLII        |                   |                        |           |    | Ž.        | į         | ANALYSIS  | UNITS .                     | PA   | RA       | ME           | TE           | R              |              |          | VA                 | LU     | E        |               |               |
| X                                       |              |                   | À                      |           | Ž  |           |           | Elevation of top of well casing with cap off (as specified in well completion report) | feet MSL:<br>to nearest .01 |      |          |              |              |                | ì            | 2        | .3                 | 0      | I        | I             |               |
| $\overline{}$                           |              | <b>X</b>          |                        |           | X  |           |           | Elevation of original ground level (as specified in well completion report)           | feet MSL:<br>to nearest .01 |      |          |              | _            |                | <b>9.</b>    | H        | 3                  |        |          |               | _             |
| $\nearrow$                              |              | X                 |                        |           | X  |           |           | Depth to water table from top of casing prior to<br>sampling with cap off             | feet: to<br>nearest .01     | 8    | 2        | 5            | 4            | 6              | 9.           | 3        | Ц                  |        | $\bot$   | 1             | _             |
| $\rangle$                               |              | $\rangle$         |                        |           | X  |           |           | Depth to water table from original ground level prior to sampling                     | feet: to<br>nearest .01     | 1_   | 2        | 0            | 1            | 9              | 0            | .4       | 3                  |        | _        | $\downarrow$  | _             |
|   |              |                   |                        |           |    | L         | L         | Arsenic, Dissolved  | UG/L as As                  | +-   | 1        | -            |              | <del></del>    | L            | ⊢        |                    | Ш      | _        | +             | _             |
|   |              | !                 | 1                      |           |    |           |           | Barium, Dissolved   | UG/L as Ba                  | 10   | 11       | 0            | 0            | 15             | L            | <u>!</u> | !                  |        | <u> </u> | <del>+</del>  | _             |
|   |              |                   |                        |           |    |           |           | Biochemical Oxygen Demand - 5 Day   | MG/L                        | +    | 0        | -            |              | <del>-</del>   | Ļ            | Ļ        | _                  |        |          | $\dashv$      | _             |
|   |              |                   |                        |           |    |           |           | Cadmium, Dissolved  | UG/L as Cd                  | 0    | 1        | 0            | 2            | 5              | L            | <u> </u> | <u> </u>           |        | 4        | $\downarrow$  |               |
|   | $\mathbf{X}$ |                   |                        |           | X  |           |           | Chloride, Dissolved   | UG/L a C                    | 8    | 2        | 2            | 9            | 5              | 14           | 0        | 0                  | 0      | $\sqcup$ | $\downarrow$  | _             |
|   | X            |                   | 1                      |           | X  | 1         |           | Chromium, Dissolved   | UG/L as Cr                  | 10   | 1        | 0            | 3            | 0              | 上            | 2        | -                  |        | $\sqcup$ | $\dashv$      | _             |
| 6                                       | 1            | 7                 |                        |           | X  |           |           | Chromium, Dissolved, Hexavalent   | UG/L as Cr                  |      | +-       | +-           |              | +              | 炵            | 12       | Ó                  | _      | $\sqcup$ | 4             |               |
|   |              |                   | 1                      |           |    |           | 1         | Chemical Oxygen Demand (COD), Dissolved   | MG/L                        | +    | 0        | <del>-</del> | +            | <del>-</del> - | Ļ            | 上        | 丄                  |        | Ц        | $\dashv$      | _             |
| П                                       | T            |                   | T                      |           |    |           | T         | Coliform Group  | N/100 ML                    |      | 4        | -            | ┿            | -              | -            | 丄        | L                  |        | $\sqcup$ | $\dashv$      | _             |
| П                                       | $\top$       |                   | T                      |           | Γ  | T         | Τ         | Color   | Pt - Co                     | 0    | 0        | 0            | 8            | 0              | L            | $\perp$  | $oldsymbol{\perp}$ | !      |          | ightharpoonup | L             |
|   |              | П                 | T                      | Τ         | Π  | T         | T         | Copper, Dissolved   | UG/L as Cu                  | 0    | 1        | 0            | 4            | 0              |              |          | <u> </u>           |        | Ш        |               | L             |
|   | $\top$       | П                 | 1.                     | T         | T  | T         | T         | Cyanide, Total  | MG/L as CN                  | 0    | 0        | 7            | 2            | 0              |              | Ţ        |                    |        |          |               | L             |
|   |              | $\sqcap$          | $\top$                 | T         | T  | T         | T         | Endrin, Total   | UG/L                        | 3    | 9        | 3            | 9            | 0              | $\perp$      |          |                    |        |          |               | L             |
|   | $\top$       |                   | $\top$                 | $\top$    | Τ  | T         | T         | Fluoride, Dissolved   | MG/L as F                   | 0    | 10       | 9            | 5            | 0              | T            | T        | I                  |        | $\prod$  | ٠             |               |
| 11                                      | 1            | H                 | 1                      | $\dagger$ | †  | Ť         | T         | Gross Alpha, Dissolved  | Pc/L                        | 70   | 1        | 5            | 0            | 3              | T            | T        | T                  | Τ      | $\prod$  |               | [             |
| 11                                      | $\top$       |                   | +                      | $\top$    | T  | $\dagger$ | T         | Gross Beta, Dissolved   | Pc/L                        | C    | ) 3      | 5            | C            | 3              | T            | T        | Τ                  |        | $\prod$  |               |               |
|   | +            | 1 1               | 十                      | 十         | †- | Ť         | $\dagger$ | Hardness, Total as CaCO <sub>3</sub>  | MG/L                        | 70   | ) 0      | 9            | C            | ) (            | T            | T        | T                  | Τ      |          | П             | Γ             |
|   | +            |                   | $\dagger$              | $\dagger$ | 十  | 十         | $\dagger$ | Iron, Dissolved   | UG/L as Fe                  | 1    | 1        | 0            | 4            | 6              | 十            | T        | T                  | Ī      | o        | П             | T             |
| ++                                      | $\forall$    | $\dagger \dagger$ | $\mathbf{x}^{\dagger}$ | $\dagger$ | t  | 1         | +         | Lead, Dissolved   | UG/L as Pb                  | -+-  | 1        | C            | 14           | 1 8            | iTi          | 1        | 10                 | ,      | T        | П             | Γ             |
| +-1                                     | 7            | ++                | 꾺-                     | +         | ť  | +         | $\dagger$ | Lindane, Total  | UG/L                        | _    | 3   5    | _            | -            |                |              | Ť        | 1                  | $\top$ | T        |               | T             |
| +-1                                     | +            | ┼┤                | +                      | +         | +  | +         | +         | Manganese, Dissolved  | UG/L                        | _    | וֹכ      | -            | _            | -              | _            | T        | 十                  | Ť      | T        |               | t             |
| ++                                      | -            | ┼┤                | +                      | +         | +  | +         | +         |   | UG/L                        | +    | <u> </u> | 1 8          | ÷            | -+-            | -+-          | 十        | $\dagger$          | Ť      | Ť        | $\vdash$      | t             |
| لــــــــــــــــــــــــــــــــــــــ | للل          |                   |                        |           | ┸  |           |           | Mercury, Dissolved  | 1 00/2                      |      | _        | - : 5        | <u>. 1 ,</u> |                | 13 3<br>14 4 | <u>.</u> | _!_                |        |          | <u> </u>      | <u>ا</u><br>ا |

ATTACHMENT

## WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

| Y NA     | AME                     |           |   |            |              |              |              |                 | ific Corp.  |                |     | _              |          |      |          |          |  |              |              |                 |                 |          |  |
|----------|-------------------------|-----------|---|------------|--------------|--------------|--------------|-----------------|---|----------------|-----|----------------|----------|------|----------|----------|--|--------------|--------------|-----------------|-----------------|----------|--|
|          |                         |           | $\Sigma$                                | <u>-</u> ` | νс           | وم           | <u> </u>     | ٠               | 1estina SAMPLE  | DATE           |     |                |          |      |          |          |  | Ī            |              |                 |                 | Ī        |  |
|          |                         |           | •                                       | 4.)        | ΦĒ           | S N          | 10.          |                 | WELL PERMIT NO. YR.   MO  | DAY N          | LA  | BC             | ER       | T. ! | ₩.       |          |  | -            | WC           | <u> </u>        | USE<br>7        |          |  |
|          | N                       | ر الرا    |   | J          | 1            | .1           | 6            | 5               | 31-26206- 870   | 7112           | Ш   |                | 11       | Щ    | Ŋ        |          |  |              |              | <u>L</u>        | ل               |          |  |
|          |                         | 3         | 71.7                                    | 41.1       | <i>71.</i> • | <b>.</b>     | <u> </u>     | <u> </u>        | •                             | 22             |     |                |          |      | ••       |          |  | •            |              | تكبي            |                 |          |  |
|          |                         |           |   |            | ٠            |              |              |                 | Monitoring Well No. HW-   | 14,218,71      |     |                |          |      |          |          |  |              |              |                 |                 |          |  |
| CHI      | EDU                     | LE        | ND                                      | IC         | ATE          | D            | BEI          | _OV             | IS TO BE OBSERVED FROM NO. TE.                                      | MO. YR.        |     |                |          |      |          |          |  |              |              |                 |                 |          |  |
|          |                         |           |   |            |              |              |              |                 | SUBMIT WITH SIGNED T-VWX-   |                |     |                |          |      |          |          |  |              |              |                 |                 |          |  |
|          |                         |           |   |            |              |              |              |                 | SUBMIT WITH SIGNED TOWN.  | 224            |     |                |          |      |          |          |  |              |              |                 |                 |          | 2  |
| SAN      | <b>P</b> L!             | NG        | MO                                      | NT         | HS           |              |              |                 | •   |                |     |                |          |      |          |          |  |              |              |                 |                 |          | 970  |
| و ا      | Ě                       | 2         | ¥                                       | ŧ          | ž            | į            | Š.           | į               | ANALYSIS  | UNITS          | PA  | RA             | MI       | TE   | R        |          |  |              | AL           | UE              | <del></del>     |          | ׅׅׅׅׅׅ֡֝֝֝֜֝֜֝֜֝֜֜֝֜֜֜֝֜֜֜֜֜֜֜֜֜֜֜֜֝֜֜֜֡֡֜֝֡֡֜֜֝֡֡֜֜֡֡֡֡֜֜֡֡ |
|          |                         | <u> </u>  | <del>-</del>                            | Ì          | _            | Ĭ            | $\bar{\Box}$ | $\bar{\exists}$ | Methoxychior, Total   | UG/L           | 3   | 9              | 4        | 8    | 0        | L        | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | 丄            | 丰            | 丨               | $\sqcup$        |          | L  |
| ╀        | ╀                       |           | $\dashv$                                | -          | 1            |              |              |                 | Methylene Blue Active Substances                                    | MG/L           | _   |                |          | 8    |          | L        | Ļ  | 丰            | $\downarrow$ | $\downarrow$    | $\sqcup$        |          | Ļ  |
| +        | +                       | $\vdash$  | $\forall$                               | -          |              | abla         | H            |                 | Nitrogen, Ammonia, Dissolved NH <sub>2</sub> + NH <sub>4</sub> as N | MG/L as N      | 0   | 0              | 6        | 0    | 8        | 12       | . 2  | <u></u>      | $\downarrow$ | $\downarrow$    | $\sqcup$        |          | ļ  |
| ¥        | ╀╴                      | -         | А                                       |            | Н            | Α            |              |                 | Nitrogen, Nitrate, Dissolved  | MG/L as N      | _   | -              | -        | 1    | -        | +-       | $\downarrow$   | $\downarrow$ | 1            | $\downarrow$    | igspace         | Ц        | ļ  |
| ╁        | ╁                       | ╁╴        | H                                       | _          | Н            | H            | $\vdash$     | H               | Odor  | T.O.N.         | 0   | 0              | 0        | 8    | _        | _        | $\downarrow$   | 1            | +            | +               | ╀.              |          | ļ  |
| +        | +                       | ╁╴        |   |            |              | abla         | ┢╴           |                 | pH  | Standard Units | 0   | 0              | +-       | +-   | +-       | _        | 43   | 10           | 斗            | $\downarrow$    | 4               | <u> </u> | 1  |
| +        | +                       | ╁         | 4                                       | _          | 一            | 4            | T            | 十               | Phenois, Total Recoverable  | UG/L           | _   | 2              | -        | 3    | -        | -        | $\downarrow$   | $\downarrow$ | +            | +               | +               | +        | 4  |
| ╁        | ╁                       | ╁         |   |            | $\vdash$     | $\vdash$     | $\vdash$     | T               | Radium 226, Dissolved   | Pc/L           | -   | +-             | +        | 0    | +        | -        | +  | 4            | $\dotplus$   | +               | +               | Ļ        | _  |
| +        | +                       | +         | $\vdash$                                | $\vdash$   | $\vdash$     | t            | $\dagger$    | T               | Radium 228, Dissolved   | Pc/L           | +   | 1              | +        | В    | +        | -+-      | $\downarrow$   | 4            | +            | 4               | +               | +        | _  |
| +        | ╁                       | 十         | ╁╴                                      | $\vdash$   | $\vdash$     | $\dagger$    | 十            | ╁╴              | Selenium, Dissolved   | UG/L           | -+- | 1              | +-       | 14   | +        | -        | $\downarrow$   | 4            | $\downarrow$ | +               | +               | +        | _  |
| +        | +                       | +         | $\dagger$                               | ╁          | +            | t            | +            | †               | Silver, Dissolved   | UG/L           | 10  | 1              | +        | +-   | 1        | -+-      | 4  | 4            | $\dashv$     | $\dashv$        | +               | +        | _  |
| ╅        | +                       | +         | ╁                                       | t          | t            | 十            | †            | 十               | Sodium, Dissolved   | MG/L           |     | 1              | _        | -    |          | -        | 4  | 4            | 井            | +               | +               | +        | _  |
| $\dashv$ | $\sqrt{}$               | +         | X                                       | 1          | 十            | $\downarrow$ | 1            | †               | Sulfate, Dissolved (as SO <sub>4</sub> )                            | MG/L           | -   | -+-            | -        | _    | -        | -        | _  | 1.           | 븨            | $\dashv$        | +               | +        | _  |
| -        | $\langle \cdot \rangle$ | 十         | ∜                                       | *          | $\dagger$    | K            | オ            | +               | Total Dissolved Solids (TDS)  | PPM            |     | 4              | -        | _    | -        | _        | 7  | 의            | 4            | 4               | +               | +        | _  |
| 1        | 7                       | +         | r                                       | ۲          | 十            | +            | +            | 十               | Total Organic Carbon (TOC)  | PPM            |     | 1              |          | 3 1  | _        | _        | 4  | 4            | -            | 4               | +               | +        | _  |
| $\sqcap$ | +                       | +         | +                                       | $\dagger$  | T            | +            | +            | +               | Total Organic Halogen (TOX)   | UG/L           |     |                |          | 3    |          |          | 4  |              | _            | 4               | +               | +        | _  |
|          | $\dashv$                | +         | +                                       | 十          | 十            | $\dagger$    | $\dagger$    | $\top$          | Toxaphene   | UG/L           | _   | _              | _        | 4    | _        | _        |  |              | ┌┤           | $\dashv$        | $\dashv$        | +        | _  |
| Н        | +                       | $\dagger$ | +                                       | $\dagger$  | T            | 十            | 十            | T               | Turbidity   | NTU            | _   | -              | _        | 0    | _        | _        | $\vdash \vdash$  | 닏            | $\vdash$     | $\vdash \vdash$ | +               | +        | _  |
| Н        | -                       | $\dagger$ | $\dagger$                               | †          | $\dagger$    | $\dagger$    | $\top$       | +               | Zinc, Dissolved   | UG/L           |     | -              | -        | 0    | _        | _        | H  | $\vdash$     | $\vdash$     | 닏               | $\dashv$        | +        | _  |
|          | $  \cdot  $             | $\dashv$  | $\top$                                  | $\dagger$  | $\top$       | +            | 1            | $\top$          | 2, 4-D, Total   | UG/L           |     | 3              |          |      |          | 0        | ⊢  | <del> </del> | $\vdash$     | -               | $\vdash$        | $\dashv$ | _  |
|          |                         | _         | $\top$                                  | $\dagger$  | +            | $\dagger$    | 1            | 1               | 2, 4, 5-TP, Total   | UG/L           | _   | 3              | 9        | 0    | -        | 5        | _  | -            | <u> </u>     | +-              | $\vdash \vdash$ | $\dashv$ | _  |
| T        | X                       | 7         | 1                                       | 1          | 寸            | 7            | X            | T               | Oil and Grease  | ma/L           |     | 4              |          |      |          |          | _  |              |              | +               | ╁               | $\dashv$ | _  |
| $\vdash$ | X                       | 7         | K                                       | X          | $\exists$    | 1            | X            | 1               | Perroleum Hydrocarbons  | ma/L           |     | Н              |          |      | -        | $\vdash$ | <u>۲</u>   |              | ╀            | +-              | $\vdash \vdash$ | $\dashv$ | _  |
| T        |                         | $\sqcap$  | 1                                       | 1          | $\dashv$     | 1            |              | 1               |   |                |     | $\vdash$       | _        |      | -        | -        | +  | +            | +            | +               | ╁               | $\dashv$ | <br>   |
| †        | T                       |           | $\dashv$                                | 7          | 1            |              | $\sqcap$     |                 |   |                |     | H              | -        | -    | -        | $\vdash$ | +  | +            | +            | 十               | $\dashv$        | ┌┤       | H  |
| 1        | 1                       | П         |   |            |              |              |              |                 |   |                |     | -              | -        | -    | -        | -        | +  | +            | +            | +               | ╀               | H        | +  |
| T        | +                       | Γ         | $\sqcap$                                |            |              |              |              |                 |   |                |     | -              | $\vdash$ | _    | -        | $\vdash$ | +  | +            | +            | ÷               | +-              | 屵        | 1  |
| +        | $\top$                  | Τ         | П                                       |            |              | Γ            | Г            | П               |   |                |     | 29<br>42<br>55 | 1_       | _    | <u> </u> | 3        | 3 3  | 1            |              |                 |                 |          | !  |
|          |                         | 1-        | لــــــــــــــــــــــــــــــــــــــ |            |              |              |              |                 |   |                |     | 10             |          |      |          | 4        | 6 4<br>9 6   | 7            |              |                 |                 |          |  |

\$

REMARK CODES ON REVERSE

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

#### WATER QUALITY MANAGEMENT ELEMENT

| ASE TYPE OR PRINT WITH BALLI | POINT PEN  | Tev  | VID NO.                 |           |                                 |
|------------------------------|--|--|-------------------------|-----------|---------------------------------|
| ACILITY NAME Georgia-Pac     | ific Corp.   | 31   | T 10 RO.                |           | _                               |
| B NAME Prince to             | on Testina   |  |                         |           |                                 |
| NJO 0 0 4 6 6                | WELL PERMIT NO.  TR. NO.  WELL PERMIT NO.  TR. NO.  WELL PERMIT NO.  TR. NO.  TR. NO.  WELL PERMIT NO.  TR. NO. | 7/12<br>7/12<br>1 18/71                        | LAB CERT. NO.           | WOM USE   |                                 |
|                              | SUBMIT WITH SIGNED T-VWX-C   | <u>)14                                    </u> |                         |           |                                 |
| SAMPLING MONTHS              | ANALYSIS   | UNITS  | PARAMETER               | VALUE     | GEMAR                           |
|                              | Elevation of top of well casing with cap off (as specified in well completion report)  | feet MSL:<br>to nearest .01                    |                         | 3.89      | Ш                               |
|                              | Elevation of original ground level (as specified in well completion report)  | feet MSL:<br>to nearest .01                    | į                       | 1.46      | Ш                               |
|                              | Depth to water table from top of casing prior to sampling with cap off   | feet: to<br>nearest .01                        | 8 2 5 4 6 2             | 585       |                                 |
|                              | Depth to water table from original ground level prior to sampling  | feet: to<br>nearest .01                        | 7 2 0 1 9 7             | 13.42     | $\prod$                         |
|                              | Arsenic, Dissolved   | UG/L as As                                     | 01000                   |           | $\top$                          |
|                              | Barium, Dissolved  | UG/L as Ba                                     | 0 1 0 0 5               | 1 1 1 1 1 |                                 |
|                              | Biochemical Oxygen Demand - 5 Day  | MG/L   | 0 0 3 1 1 0             | 11111     |                                 |
|                              | Cadmium, Dissolved   | UG/L as Cd                                     | 0 1 0 2 5               |           |                                 |
| TINIMIMI                     | Chloride, Dissolved  | UG/L at CI                                     | 8 2 2 9 5               | 55000     |                                 |
| M M M M                      | Chromium, Dissolved  | UG/L = Cr                                      | 0 1 0 3 0 -             | (20       |                                 |
|                              | Chromium, Dissolved, Hexavelent  | ΠĈ\Γ # Cι                                      | 0 1 2 2 0               | (20       |                                 |
|                              | - Chemical Oxygen Demand (COD), Dissolved  | MG/L   | 0 0 3 4 1               |           |                                 |
|                              | Coliform Group   | N/100 ML                                       | 7 4 0 5 6               |           |                                 |
|                              | Color  | Pt - Co  | 00080                   |           |                                 |
|                              | Copper, Dissolved  | UG/L as Cu                                     | 0 1 0 4 0               |           |                                 |
|                              | Cyanide, Total   | MG/L as CN                                     | 00720                   |           |                                 |
|                              | Endrin, Total  | UG/L   | 3 9 3 9 0               |           |                                 |
|                              | Fluoride, Dissolved  | MG/Las F                                       | 00950                   | 1111      |                                 |
|                              | Gross Alpha, Dissolved   | Pc/L   | 0 1 5 0 3               |           |                                 |
|                              | Gross Betz, Dissolved  | Pc/L   | 0 3 5 0 3               |           |                                 |
|                              | Hardness, Total as CaCO <sub>3</sub>   | MG/L   | 00900                   |           | $\sqcap$                        |
|                              | Iron, Dissolved  | UG/L as Fe                                     | 0 1 0 4 6               |           |                                 |
|                              | Lead, Dissolved  | UG/L as Pb                                     | 0 1 0 4 9               | 60        |                                 |
|                              | Lindane, Total   | UG/L   | 3 9 7 8 2               |           |                                 |
| <del>┩┤┧╎</del> ┼┼┼┼┼┼┼┼     | Manganese, Dissolved   | UG/L   | 0 1 0 5 6               |           |                                 |
| <del>▋┤╡</del> ┤┼┼┼┼┼┼       | Mercury, Dissolved   | UG/L   | 7 1 8 9 0               |           | $\sqcap$                        |
| VALUE CODING RULES AN        |  |  | 29 33                   | 34<br>47  | 40 43<br>53 54<br>65 6<br>79 80 |
| REMARK CODES ON REVE         |  |  | 42 44<br>55 59<br>68 72 | 60<br>73  | 79 80                           |

# DIVISION OF WATER RESOURCES WATER QUALITY MANAGEMENT ELEMENT

### GROUND WATER ANALYSIS - MONITORING WELL REPORT

| IAI      |              | AME               |              | G            | eor          | g                       | la-      | -Pa            | cific Corp.   |                         | SW II      |              | -    |              |              |     |          |          | <u>.</u>     |  |          |   |
|----------|--------------|-------------------|--------------|--------------|--------------|-------------------------|----------|----------------|---|-------------------------|------------|--------------|------|--------------|--------------|-----|----------|----------|--------------|--|----------|---|
|          | VI 5         |                   |              | _            | <u>Y</u>     | <u> </u>                | عك       | t.a            |   | ·                       |            |              |      |              |              |     |          |          | _            |  | _        | _ |
|          | •            |                   |              | N            | æ            | ES                      | NO       | ) <u> </u>     |   | e date<br>10.   day 💮 🤻 | u L        | <b>18</b> (  | CEF  | IT.          | NO           | ١.  |          |          | wc           | M L  | JSE      | ١ |
| s        | 1            | N                 | وادا         |              |              | ,                       | _        | 6              | a 317-262015-8 RITI   | 9712                    | KT         | T            | T    | ì            | B            |     |          |          |              | П  | į        | ł |
| 4        | J            |                   | 2            | LU           | U            | 41                      | <u> </u> | OL             | 16 17   | 277112                  | 28         | •            | -1-1 | _            | 37           | •   |          | Į        |              | 28   | ——       | ل |
|          |              |                   |              |              |              |                         |          |                | Monitoring Well No. MW-1  | 11.214.71               |            |              |      |              |              |     |          |          |              |  |          |   |
| E \$     | CHI          | EDU               | LE II        | NDI          | CAT          | ΈĐ                      | 88       | LO             | N IS TO BE OBSERVED FROM DITTET TO                                | 1,28,7                  |            |              |      |              |              |     |          |          |              |  |          |   |
|          |              |                   |              |              |              |                         |          |                |   |                         |            |              |      |              |              |     |          |          |              |  |          |   |
|          |              |                   |              |              |              |                         |          |                | SUBMIT WITH SIGNED T-VWX  | -014                    |            |              |      |              |              |     |          |          |              |  |          |   |
| \$       | SAN          | ₽L!!              | NG M         | ON           | THS          | 3                       |          |                | •   |                         |            | •            |      |              |              |     |          |          |              |  |          |   |
| į        | ۆ            | Ž                 | 1            | į            | 3            | ğ                       | Š        | į              | ANALYSIS  | UNITS                   |            | \R/          | VMI  | ETE          | R            |     |          | V        | ALI          | JE   |          | • |
| Ī        | T            | $\overline{\Box}$ | <del>7</del> | T            | T            | Ť                       | ī        | $\bar{\sqcap}$ | Methoxychlor, Total   | UG/L                    | <b>T</b> 3 | 9            | 4    | 8            | 0            |     | Г        |          |              | П  | Ť        | _ |
| $\vdash$ | 十            | +                 | $\dashv$     | +            |              |                         | $\vdash$ |                | Methylene Blue Active Substances                                  | MG/L                    | +-         | ┿            | 2    | _            | -            |     |          |          |              |  | +        | _ |
| -        | $\mathbf{x}$ | 11                | $\mathbf{x}$ | 1            |              | V                       | 十        | П              | Nitrogen, Ammonia, Dissolved NH <sub>3</sub> + NH <sub>4</sub> as |                         | _          | _            | _    | _            | 8            | 3   | 1        |          |              | T  | 十        | _ |
|          | r            | 1                 | 1            | $\top$       |              |                         |          | П              | Nitrogen, Nitrate, Dissolved                                      | MG/L as N               | 0          | 0            | 6    | 1            | 8            | ľ   |          |          |              | П  | $\top$   | _ |
|          | T            | $\sqcap$          | 7            | 1            | T            |                         |          |                | Odor  | T.O.N.                  | 0          | 0            | 0    | 8            | 5            | Г   |          |          |              | T  | T        | _ |
|          | $\mathbf{x}$ | 1                 | 7            | 1            |              | $\overline{\mathbf{x}}$ | 1        |                | рН  | Standard Units          | 0          | 0            | 4    | 0            | 0            | 5   | 8        | 5        |              |  | T        |   |
|          |              |                   |              | T            |              |                         |          |                | Phenois, Total Recoverable  | UG/L                    | 3          | 2            | 7    | 3            | 0            | Γ   |          | Π        |              |  | $\Box$   | _ |
|          | T            | $\sqcap$          |              | T            |              |                         |          |                | Radium 226, Dissolved   | Pc/L                    | 0          | 9            | 5    | 0            | 3            |     |          |          |              |  | $\Box$   |   |
| Г        | T            | $\sqcap$          |              | T            | Γ            |                         |          |                | Radium 228, Dissolved   | Pc/L                    | 8          | 1            | 3    | 6            | 6            |     |          |          |              |  |          |   |
|          | T            | П                 | $\top$       | T            |              |                         |          |                | Selenium, Dissolved   | UG/L                    | 0          | 1            | 1    | 4            | 5            |     |          |          |              |  |          |   |
|          |              |                   |              |              | Γ            |                         |          |                | Silver, Dissolved   | UG/L                    | 0          | 1            | 0    | 7            | 5            |     |          |          |              |  |          |   |
|          |              |                   |              |              | Ŀ            |                         |          |                | Sodium, Dissolved   | MG/L                    | 0          | 0            | 9    | 3            | 0            |     |          |          |              |  |          | _ |
|          | X            |                   |              |              |              | X                       | $\int$   |                | Sulfate, Dissolved (as SO <sub>4</sub> )                          | MG/L                    | 0          | 0            | 9    | 4            | 6            | 1   | 2        | 2        |              |  |          | L |
|          | $\searrow$   |                   |              |              |              | X                       | 1        |                | Total Dissolved Solids (TDS)                                      | PPM                     | 7          | 0            | 3    | 0            | 0            | 3   | 2        | 6        |              |  |          | L |
|          |              |                   |              |              |              |                         |          |                | Total Organic Carbon (TOC)  | PPM                     | 0          | 0            | 8    | 8            | 0            | L   |          |          |              |  |          | L |
|          |              |                   |              |              |              |                         |          |                | Total Organic Halogen (TOX)                                       | UG/L                    | 7          | 0            | 3    | 5            | 3            | L   |          |          | L            |  |          | L |
|          |              |                   |              |              |              |                         |          |                | Toxaphene   | UG/L                    | 3          | 9            | 4    | 0            | 0            | L   | $\perp$  |          |              |  |          |   |
|          |              |                   |              |              |              |                         |          |                | Turbidity   | NTU                     | 0          | 0            | 0    | 7            | 6            |     |          |          |              |  | $\Box$   |   |
|          | $\int$       | $oxed{\Box}$      |              |              |              |                         |          |                | Zinc, Dissolved   | UG/L                    |            | 1            | -    | +-           | 0            | -   | 1        |          |              |  | Ш        | L |
|          |              |                   |              |              |              |                         |          |                | 2, 4-D, Total   | UG/L                    | _          | 9            | _    | _            | 0            | _   | 1        | 1        |              |  |          | L |
| 1        |              |                   | Ц            |              | $\perp$      | $\downarrow$            |          | 1              | 2, 4, 5—TP, Total   | UG/L                    | 3          | 9            | 0    | 4            | 5            |     | 1        | <u> </u> |              |  | Ц        | L |
| L        | $\downarrow$ |                   |              | <u>(</u>     | $\perp$      | X                       | 1        | ┸              | Oil and Grease  | WE/T                    | _          | $\bot$       | 1    | $\perp$      | 1            |     | <u> </u> |          | 1            | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | Ц        | L |
| Ļ        | 4            | 4                 |              | XL.          | 1            | 2                       | 4        | $\perp$        | Perroleum Hydrocarbons  | m6/2                    | 4          | +            | +    | 1            | $\downarrow$ | *   |          | <u> </u> | 1            | -  | Ц        | L |
| ļ        | $\bot$       | $\bot$            | $\sqcup$     | $\perp$      | $\downarrow$ | 1                       | _        | _              |   |                         | +          | $\downarrow$ | +    | $\downarrow$ | +            | 1   | 4        | +        | +            | -  | Ш        | L |
| +        | 4            | $\bot$            |              | 1            | $\bot$       | 1                       | +        | +              |   | <u> </u>                | 4          | +            | +    | +            | +            | +   | +        | +        | $\downarrow$ | -  | $\sqcup$ | ļ |
| 4        | 1            | +                 | $\sqcup$     | $\downarrow$ | _            | $\downarrow$            | +        | +              |   |                         | $\bot$     | +            | +    | +            | 1            | 4   | $\bot$   | +        | $\downarrow$ | $\bot$   | $\vdash$ | 1 |
| $\perp$  | 4            | +                 | $\sqcup$     | +            | $\bot$       | 1                       | $\bot$   | $\perp$        | ,   |                         | +          | +            | +    | +            | +            | +   | +        | +        | +            | +  | <u> </u> | Ļ |
| - 1      |              |                   |              | i            | i            |                         | 1        | - 1            | 1   | 1                       | 1          |              | Ł    | 1            | - 1          | - 1 | - 1      | 1        | 1            | 1  | 1 '      | 1 |

REMARK CODES ON REVERSE

## DIVISION OF WATER RESOURCES

#### WATER QUALITY MANAGEMENT ELEMENT

## GROUND WATER ANALYSIS - MONITORING WELL REPORT

| ase ti      | YPE O                              | R PRIN'  | TW               | TH B     | AL          | LPC | DINT PEN  | 184                         | v 15     | M           |     |       |          |         |          |              |              |              |          | <b>-</b> , |
|-------------|------------------------------------|----------|------------------|----------|-------------|-----|---|-----------------------------|----------|-------------|-----|-------|----------|---------|----------|--------------|--------------|--------------|----------|------------|
| CILITY      | NAM                                | Ge       | OT               | gia-     | Pa          | ci  | fic Corp.   | 37                          |          | 140         | ··  |       |          | -       |          |              |              |              |          |            |
| NAM         | Ē                                  |          |                  | V(8.     | <del></del> |     | Testina   |                             |          |             |     |       |          |         |          |              |              |              |          | j          |
| R<br>THE SC |                                    | า้อ อ    | b                | 4 6      | NO.         | 9   | WELL PERMIT NO. YR. M. |                             | 1 1      | e c         | ER  | 7. 1  | NO.      | •       |          | w            | 28           | , SE         |          | ï          |
| 1           |                                    |          |                  |          |             |     | SUBMIT WITH SIGNED T-VWX-   |                             |          |             |     |       |          |         |          |              |              |              | Ę        | )          |
|             |                                    | NG MC    |                  |          |             | _   | ANALYSIS  | LINITE                      | PAI      | RA          | ME  | TE    | A        |         | v        | ALU          | UE           |              |          |            |
| <b>4</b> 3  | ₹ <u>₹</u>                         | <u> </u> | ₹.               | 18       | <u>₹</u>    | 4   |   |                             |          | _           | _   |       |          | - 1     | _        | _            |              |              | 7        | <u>:</u>   |
|             | M                                  | M        |                  | M        |             |     | Elevation of top of well casing with cap off (as specified in well completion report)   | feet MSL:<br>to nearest .01 |          |             | _   | _     |          |         | 7/9/     | 13           |              |              |          |            |
|             | $\left\langle \cdot \right\rangle$ |          | +                |          |             | H   | Elevation of original ground level  | feet MSL:                   |          |             |     |       | T        | ;       |          | H            |              | T            | T        |            |
|             | $N_{-}$                            | M        | 1                | $\Delta$ |             |     | (as specified in well completion report)  | to neerest .01              |          | _           | _   | . 1   | +        | +       | 光        | +            | ╁┤           | +            | 十        | -          |
|             | $\mathbb{X}$                       | l XI     | ١                | X        |             |     | Depth to water table from top of casing prior to sampling with cap off  | nearest .01                 | 8        | 2           | •   |       | <u>•</u> | 4       | 4]       | 15           | Ш            | 4            | 4        | _          |
|             | M                                  | X        |                  | X        |             |     | Depth to water table from original ground level prior to sampling   | feet: to<br>nearest .01     | 7        | 2           | 0   | 1     | •        | 2       | 3.7      | 36           | Ш            |              | $\perp$  |            |
| -           | 1                                  |          |                  | -(`)     |             | П   | Arsenic, Dissalved  | UG/L as As                  | 0        | 1           | 0   | 0     | 0        |         | 1        | 1            |              |              | $\bot$   |            |
| 十           | 11                                 |          |                  |          |             |     | Barium, Dissolved   | UG/L as Ba                  | 0        | 1           | 0   | 0     | 5        | ļ       | <u>!</u> | <u> </u>     |              | <u>.  </u>   | $\dashv$ | _          |
| <u> </u>    | ii                                 |          |                  |          | Ī           |     | Biochemical Oxygen Demand - 5 Day   | MG/L                        | 0        | 0           | 3   | 1     | 0        | 1       | 4        | 1            |              |              | $\dashv$ | _          |
|             | 11                                 |          |                  |          |             |     | Cadmium, Dissolved  | UG/L as Cd                  | 0        | 1           | 0   | 2     | 5        | _       | $\bot$   | $\bot$       | $\bot$       | Ц            | _        |            |
|             | X                                  | IX       |                  | X        | 1           |     | Chloride, Dissolved   | UG/L = C                    | 8        | 2           | 2   | 9     | 5        | 2       | Щ        | 00           | 10           | Ц            | 4        |            |
|             | X                                  |          |                  | X        | 1           |     | Chromium, Dissolved   | UG/L # Cr                   | 0        | 1           | 0   | 3     | 0        | 4       | 겍        | <u>기</u>     | ╀            | Ц            |          |            |
|             | K                                  | X        |                  | 13       |             | Γ   | Chromium, Dissolved, Hexavalent   | ⊓C\F ≈ Ct                   | 0        | 1           | 2   | 2     | 0        | 4       | <u>식</u> | <u>0 </u>    | $\bot$       | Ц            | Ц        |            |
|             | Ϊİ                                 |          |                  |          | T           | 1.  | Chemical Oxygen Demand (COD), Dissolved   | MG/L                        | 0        | 0           | 3   | 4     | 1        |         | _        | $\bot$       | _            | Ц            | Ш        |            |
|             | 11                                 |          |                  |          | Τ           |     | Coliform Group  | N/100 ML                    | _        |             | -   | 5     | -        | Ц       | _        | $\bot$       | _            | Ц            |          |            |
|             | 11                                 |          |                  |          | Τ           |     | Color   | Pt - Co                     | _        | _           | _   | _     | 0        |         | $\dashv$ | <u> </u>     | _            | Ш            |          |            |
|             |                                    |          |                  |          |             |     | Copper, Dissolved   | UG/L as Cu                  | _        | <del></del> | +-  |       | _        | Ц       | 4        | $\downarrow$ | 4            | $\sqcup$     | $\sqcup$ |            |
|             | 11                                 | 11       |                  |          |             |     | Cyanide, Total  | MG/L as CN                  | -        | +           | +   | -     | 0        |         | $\bot$   | 4            | <del> </del> | Щ            | Ш        |            |
| $\sqcap$    | 11                                 |          | Ι                |          |             |     | Endrin, Total   | UG/L                        | _        | _           | -   | _     | 0        |         |          | _            | $\bot$       | igspace      |          |            |
| TT          | 11                                 | TT       | T                |          | T           |     | Fluoride, Dissolved   | MG/L as F                   | 0        | 0           | 9   | 5     | 0        |         |          | $\bot$       | _            | <u> `</u>    | igspace  | ŀ          |
| 11          | 11                                 | 11       | T                |          |             |     | Gross Alpha, Dissolved  | Pe/L                        | _        | -           | -   | _     | 3        | -       | Ц        | _            | $\bot$       | 1            | 1        | ŀ          |
| 11          | 11                                 | 11       | T                | П        | T           | T   | Gross Betz, Dissolved   | Pc/L                        | _        | +-          | -   | -     | 3        | +       | Ц        | $\perp$      |              | 1            | igspace  | Į          |
| TŤ          | 11                                 | 11       | T                | 11       | T           |     | Hardness, Total as CaCO <sub>2</sub>  | MG/L                        | _        | +           | +   | -     | 0        | +       | Ц        | _            | $\bot$       | <u></u>      | 1        | ļ          |
| 11          | 11                                 | 11       | T                | TT       | T           | T   | Iron, Dissolved   | UG/L as Fe                  | _ 1      | _           |     |       | 6        | -       | Ш        | $\perp$      | _            | 1            | igspace  | ļ          |
|             | X                                  | 1 1      | (                | 11       | 1           | T   | Lead, Dissolved   | UG/L as Pb                  |          | _           | _   |       | _        | -       | 0        | ot           | $\bot$       | $\downarrow$ | 1        | -          |
| 11          | 11                                 | 11       | 7                | 11       | 1           | 1   | Lindane, Total  | UG/L                        |          | <u> </u>    | _   | _     | 1 2      | -       |          | $\sqcup$     |              | 丄            | 丰        |            |
| 11          | 11                                 | 71       | T                | 11       | Ť           | 1.  | Manganese, Dissolved  | UG/L                        | 0        | 1           | 10  | ) 5   | 6        | $\perp$ |          |              | <u> </u>     | _            | <u> </u> |            |
| 11          | 11                                 | 77       | T                | 11       | 1           | T   | Mercury, Dissolved  | UG/L                        | 7        | 1           | 1 8 | 3   9 | 0        | _       |          |              |              | $\perp$      | <u></u>  |            |
|             |                                    | ODIN     | _ <del>-</del> - |          | <u> </u>    |     |   |                             | 21<br>42 | }           |     |       | 4        | 3 34    | į        |              |              |              | 40<br>53 | ļ          |

#### WATER QUALITY MANAGEMENT ELEMENT

### GROUND WATER ANALYSIS - MONITORING WELL REPORT

|              | iTY i        | MAK               |                      | _        |             |              |           | Pacific Corp.   |                | SW          | 0         | NO.          |           |           |             |              |              |          |                   |              |                      |
|--------------|--------------|-------------------|----------------------|----------|-------------|--------------|-----------|---|----------------|-------------|-----------|--------------|-----------|-----------|-------------|--------------|--------------|----------|-------------------|--------------|----------------------|
| 8 N.         | AME          |                   |                      |          | 4           | 7            |           | ceton Testina   |                |             |           |              |           |           |             |              |              |          |                   |              | _                    |
|              |              |                   | ·· -                 |          |             | <u> </u>     | ·         |   | E DATE         |             |           |              |           |           |             | _            | 1            |          |                   | _            | <u> </u>             |
| _            | _            |                   |                      | N        | <b>370</b>  | ES I         | <b>NO</b> | WELL PERMIT NO. YR.   | IO. IDAY       | W L         | 48        | CI           | RT.       | . NK      | <b>D</b> .  |              |              | 100      | 264 (             | JSE          |                      |
| Ŀ            | s ا          |                   | מלָרי                | 0        | ٥           | 4            | 6         | 69 311-262041-1 870   | 77112          | 1           | 1         | 1            | 7         | B         |             |              |              |          |                   |              |                      |
|              | <u>-</u>     |                   | •                    |          |             |              |           | Monitoring Well No. HW-3  | 22             | 22          |           |              |           | 27        |             |              | I            |          | 28                |              | J                    |
| HE           | SCH          | EDU               | LE IN                | DIC      | AT          | ED           | 88        | OW IS TO BE OBSERVED FROM OILE TO                                 | 11287          |             |           |              |           |           |             |              |              |          |                   |              |                      |
|              |              |                   |                      |          |             |              |           | MO. YE.   | NO. YA.        |             |           |              |           |           |             |              |              |          |                   |              |                      |
|              |              |                   |                      |          |             |              |           | SUBMIT WITH SIGNED T-VW   | 7-014          |             |           |              |           |           |             |              |              |          |                   |              |                      |
|              |              | <b></b>           | NG M                 | ~~       | TH <b>e</b> |              |           | •   | <del></del>    |             |           |              |           |           |             |              |              |          |                   |              |                      |
| ď            | _            | _                 |                      |          | _           | _            | ·         |   |                |             |           |              |           |           |             |              |              |          |                   |              | 1                    |
| 3            | 3 2          | 3                 | <b>1</b> 3           | ₹        | 1           | 8            | <u>\$</u> | ANALYSIS  | UNITS          | •           | AR        | AM           | ETI       | ER        |             |              | V            | ALI      | JE                |              |                      |
| $\bot$       |              |                   |                      | L        | Ц           | 1            |           | Methoxychlor, Total   | UG/L           | 3           | 9         | 4            | 8         | 0         |             |              |              |          |                   | I            | I                    |
| $\downarrow$ |              | Щ                 |                      |          | Ц           | $\bot$       | _         | Methylene Blue Active Substances                                  | MG/L           | 3           | 8         | 2            | 6         | 0         |             |              |              |          |                   |              | brack I              |
| 1            | _X           | $\coprod$         | $\perp X$            |          | Ц           | XI.          | _         | Nitrogen, Ammonia, Dissolved NH <sub>8</sub> + NH <sub>4</sub> as | N MG/L M       | +-          | +-        | 8            | 0         | 8         | 2           | 9            |              |          |                   |              | floor                |
| 4            | 4            | $\sqcup$          | $\bot$               |          |             | $\downarrow$ | 4         | Nitrogen, Nitrate, Dissolved                                      | MG/L as N      | 0           | 0         | 6            | 1         | 8         | L           |              |              |          |                   |              |                      |
| 4            | $\downarrow$ | $\sqcup$          |                      |          | Ц           | _            | 4         | Odor  | T.O.N.         | -           | 0         | +            | -         | +         | L           |              |              |          |                   |              | _                    |
| 4            | $\bot$ X     | 11                | _X                   |          | igsqcut     | 4            | 4         | pH  | Standard Units | +-          | 7         | +-           | 7         | _         | b           | 12           | 15           |          | Ц                 |              | _                    |
| 4            |              | 1-1               | -                    |          |             | 4            | _         | Phenois, Total Recoverable  | UG/L           | 3           | +         | +-           | 3         | +         | L           | $\perp$      |              |          | Ц                 | 1            | _                    |
| +            | +            | +                 | +                    | _        |             | +            | 4         | Radium 226, Dissolved   | Pc/L           | 10          | -         | +-           | 0         | +-        | Ļ           | Ļ            |              | <u> </u> |                   | $\perp$      |                      |
| +            | +            | 1.1               | +-                   | _        |             | +            | -         | Radium 228, Dissolved   | Pc/L           | 8           | +         | +-           | 8         | +-        | Ļ           | <u> </u>     | Ļ            | L        |                   | 4            | 4                    |
| +            | +            | -                 | +                    | -        | H           | $\dashv$     | $\dashv$  | Selenium, Dissolved   | UG/L           | <del></del> | 1         | +-           | 4         | 5         | ╀           | ╀            | _            |          | $\sqcup$          | $\perp$      | 4                    |
| +            | +            | +                 | +                    |          |             | +            | -         | Silver, Dissolved   | UG/L           | 10          | +-        | 0            | +         | 5         | ╀           | ╀            | _            |          | $\dashv$          | +            | 4                    |
| +            | $\downarrow$ | +                 | $\rightarrow$        |          |             | $\forall$    | $\dashv$  | Sodium, Dissolved   | MG/L           | -           | +-        | +            | 3         | +-        | Ļ           | <del> </del> | ┞-           | -        |                   | 4            | 4                    |
| +            | +            | ++                | +                    | -        | $\vdash$    | K            | $\dashv$  | Sulfate, Dissolved (as SO <sub>4</sub> )                          | MG/L           | +           | 0         | +-           | 4         | 8         | #           | 1            | Ļ            | _        | $\square$         | +            | 4                    |
| +            | +            | ╀┤                | +                    | $\vdash$ | $\vdash$    | <del>X</del> | ╣         | Total Dissolved Solids (TDS)                                      | PPM            | -           | -         | -            | 0         | -         | 4.          | b            | 0            |          |                   | $\downarrow$ | 4                    |
| +            | +            | ++                | +                    | -        | H           | +            | $\dashv$  | Total Organic Carbon (TOC)  | PPM            | _           | -         | _            | 8         | +         | -           | -            |              |          | Н                 | +            | 4                    |
| $\dashv$     | +-           | ++                | +                    | H        | $\vdash$    | +            | $\dashv$  | Total Organic Halogen (TOX)                                       | UG/L           | _           | _         | -            | 5         | •         | _           | $\vdash$     | _            |          |                   | +            | 4                    |
| +            | +            | ++                | +                    | -        | $\vdash$    | $\dashv$     | $\dashv$  | Toxaphene Turbidity   | UG/L           | _           |           | +            | 0         | +         | -           | ╀            | ├-           | _        |                   | +            | 4                    |
| +            | +            | +                 | +                    | -        | $\vdash$    | +            | $\dashv$  | Zinc, Dissolved   | NTU<br>UG/L    | _           | +         | +-           | 9         | +         | -           | $\vdash$     | <del> </del> | _        | $\sqcup$          | +            | 4                    |
| +            | +            | +                 | +                    | -        | H           | $\dashv$     | $\dashv$  | 2, 4—D, Total   | UG/L           | +           | -         | <del>-</del> | 7         | +-        | -           | +            | ╁            | -        | $\vdash \vdash$   | +            | 4                    |
| +            | +            | H                 | +                    | $\vdash$ | H           | $\dashv$     | $\dashv$  | 2, 4–5, Total   | UG/L           |             |           |              | 4         |           |             | $\vdash$     | +-           | _        | $\vdash \vdash$   | +            | _                    |
| +            | X            | 1                 | $\forall$            | +        | $\dashv$    | X            | $\dashv$  | Oil and Grease  |                | 弋           | +         | +            | ╁         | +         |             | 12           | ╀            | -        | H                 | +            | $\dashv$             |
| +            | K            | 1                 | $\overrightarrow{R}$ | $\vdash$ | ╅           | X            | $\dashv$  |   | 46/L           | 十           | $\dagger$ | +            | +         | +         |             |              | 0            | -        | $\vdash$          | +            | $\dashv$             |
| $\forall$    | +            |                   | ~                    | T        | 17          | 7            | -         | Perroleum Hydrocarbons  | F10/L          | +           | +         | t            | 十         | +         | f           | +            | 1            | $\vdash$ |                   | +            | $\dashv$             |
| +            | +            | ††                | $\top$               | T        | $\forall$   | +            |           |   | <del> </del>   | 十           | +         | +            | $\dagger$ | +         | +           | ╁╌           | $\vdash$     | -        | $\vdash$          | +            | ㅓ                    |
| 7            | 1            | ††                | $\top$               | <u> </u> |             | $\dashv$     | ㅓ         |   | 1              | +           | +         | $\dagger$    | +         | +         | $\dagger$   | +            | $\vdash$     | $\vdash$ | H                 | +            | $\dashv$             |
|              | $\top$       | $\dagger \dagger$ | +                    |          | H           | $\dashv$     |           | ,   | 1              | +           | $\dagger$ | $\dagger$    | $\dagger$ | $\dagger$ | 十           | +            | +            | -        | $\mid \cdot \mid$ | +            | ㅓ                    |
| 1            |              | $\top$            | $\top$               |          | $\sqcap$    | 1            |           |   |                | T           | $\dagger$ | +            | $\dagger$ | $\dagger$ | 十           | $\dagger$    | +            | i        |                   | +            | ᅥ                    |
| <del></del>  |              | ┷╌╵               |                      | -        | —           |              | AN        |   |                | 29          |           | ۷.           |           | 1         | 3 34<br>6 4 |              | 1_           | ٠        | <u> </u>          | <del>-</del> | 10<br>53<br>66<br>79 |

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

### GROUND WATER ANALYSIS - MONITORING WELL REPORT

| SE 1              | TYPE (          | OR I              | PRIN              | T WI         | TH         | BAI      | L <i>LI</i> | 20 | INT PEN   |                             |                | - <u></u> | _  |            |               |     |     |          |     |         |              | <del></del> -        |
|-------------------|-----------------|-------------------|-------------------|--------------|------------|----------|-------------|----|---|-----------------------------|----------------|-----------|----|------------|---------------|-----|-----|----------|-----|---------|--------------|----------------------|
| CILIT             | Y NAI           | ME                | Ge                | org          | ia         | -P       | ac          | if | fic Corp.   | SV                          | V 10           | N(        | J. |            |               |     |     |          |     |         |              |                      |
| NA                | ME              |                   | 45                | - <u>ز</u> ۷ |            | 1        | _           | -  | Testina   |                             |                |           |    |            |               |     |     |          |     |         |              | _                    |
| R                 |                 |                   | o o               | D            | DES<br>4   | 6        | o.<br>6     | 9  | WELL PERMIT NO. YR.   MO  |                             |                |           |    | 1          | NO<br>R<br>27 | •   | ,   |          | va. |         | E            | ,                    |
| •                 |                 |                   |                   |              |            |          |             |    | SUBMIT WITH SIGNED T-YWX-0  | 014                         |                |           |    |            |               |     |     |          |     |         |              |                      |
|                   | <b>4</b> 140    | 4 184             | G MC              | MTH          | ı <b>s</b> |          |             |    |   | <del></del> .               |                |           |    |            |               |     |     |          |     |         |              | ARK                  |
| 4 3               | ž .             |                   |                   | _            |            | į        | 4           | 1  | ANALYSIS  | UNITS                       | PA             | RA        | ME | TE         | R             |     |     | VA       | LUE |         |              | HEW/                 |
| 厅                 | M               | Ť                 | M                 | T            | Ž          | Ī        | T           | T  | Elevation of top of well casing with cap off (as specified in well completion report) | feet MSL:<br>to nearest .01 |                |           |    |            |               | 1   | 14  | 3        | 1   |         |              |                      |
| ,                 | M               | 1                 | X                 | 十            | X          | 1        | T           | 1  | Elevation of original ground level (as specified in well completion report)           | feet MSL:<br>to nearest .01 |                |           |    |            |               | 8.  | 7   | 1        |     |         |              | Γ                    |
| +                 | X               | +                 | M                 | $\dagger$    | X          | 1        | T           | _  | Depth to water table from top of casing prior to sampling with cap off                | feet: to<br>nearest .01     | 8              | 2         | 5  | 4          | 6             | 8   | 5   |          |     | T       | T            | Γ                    |
|                   | M               | $\dagger$         | X                 |              | K          | 1        | T           | †  | Depth to water table from original ground level prior to sampling                     | feet: to<br>nearest .01     | 7              | 2         | 0  | 1          | 9             | 5   | 9   |          |     | T       | 1            |                      |
| +                 | ₩               | +                 | <del>     </del>  | +            | +          | +        | $\dagger$   | †  | Arsenic, Dissolved  |                             | 0              | 1         | 0  | 0          | 0             | П   | П   |          |     | T       |              | T                    |
| +                 | ++              | +                 | + +               | +            | †          | +        | $\dagger$   | +  | Barium, Dissolved   |                             | 0              | 1         | 0  | 0          | 15            |     |     |          | Ī   | T       | Ţ            | Γ                    |
| +                 | <u> </u>        | $\dotplus$        | <del>; ;</del>    | $\dashv$     | i          | t        | $\dagger$   | -  | Biochemical Oxygen Demand - 5 Day   | MG/L                        | 0              | 0         | 3  | <b>j 1</b> | 10            |     |     |          | Ī   | Ī       | İ            | $\int$               |
| +                 | ++              | 1.                | $\dagger \dagger$ | _            | $\top$     | +        | Ť           | +  | Cadmium, Dissolved  | UG/L as Cd                  | 0              | 1         | 0  | 2          | 5             |     |     |          |     | T       |              | Ι                    |
| $\dagger$         | M               | 十                 | X                 |              |            | 1        | $\dagger$   | +  | Chloride, Dissolved   | UG/L ac                     | 8              | 2         | 2  | 9          | 5             | i   | 7   | 0        | ok  | 2       |              | I                    |
| +                 | X               | $\dagger$         |                   |              | 1          | 7        | 十           | 7  | Chromium, Dissolved   | UG/L as Cr                  | 0              | 1         | 0  | 3          | 0             | 4   | 12  | D        |     | $\prod$ |              | I                    |
| 十                 | X               | $\dagger$         | X                 | 1            | K          | オ        | +           | 7  | Chromium, Dissolved, Hexavalent   | UG/L as Cr                  | 0              | 1         | 2  | 2          | 0             | 4   | 2   | 9        |     | T       |              | I                    |
| 十                 | 1               | +                 | 1                 |              | +          | 7        | Ť           | 1  | Chemical Oxygen Demand (COD), Dissolved   | MG/L                        | _              | 0         | 3  | 4          | 1             |     |     |          |     |         | $\prod$      | I                    |
| $\top$            | +               | $\dashv$          |                   |              | $\dagger$  | $\top$   | $\dagger$   | 7  | Coliform Group  | N/100 ML                    | 7              | 4         | 0  | 5          | 6             |     |     |          |     |         |              | $\mathbf{I}$         |
| $\dashv$          | $\dashv \dashv$ | 1                 | +                 |              | 十          | 十        | +           | 1  | Color   | Pt - Co                     | 0              | 0         | 0  | 8          | 0             |     |     |          |     |         |              | m I                  |
| $\dashv$          | $\top$          | 1                 | +                 | 1            | $\top$     | $\top$   | †           | 7  | Copper, Dissolved   | UG/L as Cu                  | 0              | 1         | 0  | 4          | 0             |     |     |          |     |         |              | $\int$               |
| $\dashv$          |                 |                   | +                 |              | 十          | +        | 1           | ┪  | Cyanide, Total  | MG/L as CN                  | 0              | 0         | 7  | 2          | 0             | Ι   | Γ   |          |     |         |              | $\int$               |
| $\dashv$          |                 | $\sqcap$          | +                 | $\sqcap$     | $\top$     | †        | +           | ٦  | Endrin, Total   | UG/L                        | 3              | 9         | 3  | 9          | 0             |     |     |          |     | T       |              | $\int$               |
|                   | $\dashv \dashv$ | 1                 | +                 | 1 1          | $\dagger$  | 十        | 1           | 7  | Fluoride, Dissolved   | MG/L as F                   | o              | 0         | 9  | 5          | 0             | Ι   | Γ   | 1        |     |         | •            | I                    |
| H                 | $\dashv$        | $\vdash \uparrow$ | _                 | 11           | +          | +        | †           |    | Gross Alpha, Dissolved  | Pc/L                        | lo             | 1         | 5  | 0          | ) 3           |     | Γ   |          |     | $\prod$ |              | I                    |
|                   | 1               | H                 | +                 |              | $\dagger$  | $\top$   | 7           | 7  | Gross Betz, Dissolved   | Pc/L                        | lo             | 3         | _  | -          | 3             | _   | Γ   | Γ        |     |         | $\prod$      | brack I              |
| H                 | -               | H                 | 1                 | $\sqcap$     | 十          | +        | $\dashv$    |    | Hardness, Total as CaCO <sub>2</sub>  | MG/L                        | 0              | 0         | 8  | ) (        | 7 0           |     | Γ   |          |     |         | $oxed{\int}$ | I                    |
| Н                 | +               | H                 |                   | $\Box$       | 十          | $\dashv$ | 7           |    | Iron, Dissolved   | UG/L as Fe                  | 0              | 1         | O  | 1          | 1 6           |     | T   |          |     |         |              | I                    |
| $\vdash$ i        | $\forall$       | 1                 | X                 | 11           | 十          | X        | 1           |    | Lead, Dissolved   | UG/L as Pb                  | To             | 1         | Jo | ) 4        | 1 8           | 14  | / C | <b>)</b> |     |         |              | I                    |
|                   | 1               | H                 | <del>- ('</del>   | 77           | 7          | 1        | 7           |    | Lindane, Total  | UG/L                        | 3              | 9         | 7  | 1   8      | 3 2           |     | I   |          |     |         | ·            |                      |
| $\forall \exists$ |                 | H                 |                   | 11           | $\dashv$   | Ť        |             | •  | Manganese, Dissolved  | UG/L                        | C              | )   1     | 0  | )   9      | 5   6         |     | I   |          |     |         | T            | $\int$               |
|                   |                 | П                 |                   | 11           | $\dashv$   | $\dashv$ | ٦           |    | Mercury, Dissolved  | UG/L                        | 7              | 1         | 1  | 3 9        | 9 (           | ,   | I   | Ī        |     |         |              |                      |
|                   | LUE             |                   |                   |              |            |          |             |    |   |                             | 21<br>42<br>51 | 2         |    |            | 1             | 3 3 | 7   |          |     |         |              | 40<br>53<br>56<br>78 |

# DIVISION OF WATER RESOURCES WATER QUALITY MANAGEMENT ELEMENT

#### GROUND WATER ANALYSIS - MONITORING WELL REPORT

|    | M   |            | ME       |              | _(                      | Sec              | org          | <u>ia</u> | -P                 | acific Corp.                             |                                       |                | W      | _            | •••     |              | <del></del>  |            |                    |              |              |              |          |   |
|----|-----|------------|----------|--------------|-------------------------|------------------|--------------|-----------|--------------------|--|---------------------------------------|----------------|--------|--------------|---------|--------------|--------------|------------|--------------------|--------------|--------------|--------------|----------|---|
| N/ | ·M  | <u>-</u>   |          |              |                         |                  |              |           |                    |  | SAMPLE                                | DATE           |        |              |         |              |              |            |                    | <del></del>  | =            | ==           |          | = |
|    |     |            |          |              | ı                       | NJF              | DE           | 3 N       | <b>)</b> .         | WELL PERMIT NO.                          |                                       |                | IJ L   | AB           | CE      | RT.          | NC           | <b>)</b> . |                    | ı            | w            | OM (         | JSE      | : |
| S  | 5   |            | N        | 4            | 1                       | $\mathbf{J}_{0}$ | ) 4          | 6         | 6                  | 9 31-26202-3                             | 870                                   | 7112           | T      | Ī            | 1       | 1            | B            |            |                    | ľ            | ı            |              |          | ı |
| 7  | _   |            |          | 2            |                         |                  |              |           |                    | 8 9 16                                   | 27                                    | 22             | 33     |              |         |              | 27           |            |                    | ı            |              | 28           | _        | ل |
| _  |     |            |          |              |                         |                  |              |           |                    | Monitoring Well No. HW                   | right -                               | 11.218.71      | •      |              |         |              |              |            |                    |              |              |              |          |   |
| E  | SC: | HEL        | וטכ      | .E I         | NU                      | ICA              | VI E         | DB        | ELC                | DW IS TO BE OBSERVED FROM $O(1)$         | 41 ATT 10                             | MO. TR.        |        |              |         |              |              |            |                    |              |              |              |          |   |
|    |     |            |          |              |                         |                  |              |           |                    | SUBMIT WITH SI                           | CNED T. PWY.                          | 014            |        |              |         |              |              |            |                    |              |              |              |          |   |
|    |     |            |          |              |                         |                  |              |           |                    | SUBMIT WITH SI                           | JNED I-VWX-                           |                |        |              |         |              |              |            |                    |              |              |              |          |   |
|    |     | MP         |          |              |                         |                  |              |           |                    |  |                                       |                |        |              |         |              |              |            |                    |              |              |              |          |   |
|    | į   | <b>Š</b> : | <b>.</b> |              |                         |                  | 3 2          |           | ă                  | ANALYSIS                                 | •                                     | UNITS          | · P/   | AR.          | AM      | ETI          | R            |            |                    | V            | AL           | JE           |          |   |
|    | T   | T          | T        | T            | T                       | T                | T            | T         | Τ                  | Methoxychlor, Total                      |                                       | UG/L           | 3      | 9            | 4       | 8            | 0            | П          | Т                  | П            |              | $\prod$      | Ť        | _ |
|    | 1   | 十          | 7        | $\top$       | 1                       | 1                | T            | T         | Τ                  | Methylene Blue Active Substances         |                                       | MG/L           | 3      | 8            | 2       | 6            | 0            | Γ          | Π                  | П            | $\sqcap$     | П            | 丁        |   |
|    |     | X          | T        |              | 1                       | 1                |              | 1         | T                  | Nitrogen, Ammonia, Dissolved N           | H <sub>3</sub> + NH <sub>4</sub> as N | MG/L as N      | 0      | 0            | 6       | 0            | 8            | .6         | T                  | Г            | Г            | П            | T        |   |
|    | 1   | 1          |          |              | T                       | T                | 1            |           | Τ                  | Nitrogen, Nitrate, Dissolved             |                                       | MG/L as N      | 0      | 0            | 6       | 1            | 8            |            | Γ                  |              |              |              | T        | _ |
|    |     | 1          |          | T            | T                       | I                | T            |           | Γ                  | Odor                                     |                                       | T.O.N.         | 0      | 0            | 0       | 8            | 5            | Γ          | $\prod$            |              |              |              | $\Box$   |   |
|    |     | X          |          |              | $\overline{\mathbf{d}}$ | T                |              | ₹         | I                  | рН                                       |                                       | Standard Units | 0      | 0            | 4       | 0            | 0            | 5          | 8                  | H            |              | $\prod$      | $\Box$   |   |
|    |     | T          | T        | T            | T                       | T                |              | T         |                    | Phenois, Total Recoverable               |                                       | UG/L           | 3      | 2            | 7       | 3            | 0            |            |                    |              |              |              |          |   |
|    |     | T          |          |              | I                       |                  |              |           |                    | Radium 226, Dissolved                    |                                       | Pc/L           | 0      | 9            | 5       | 0            | 3            |            | $\prod$            |              |              | $\prod$      | $\Box$   | _ |
|    |     |            |          |              |                         |                  |              |           |                    | Radium 228, Dissolved                    |                                       | Pc/L           | 8      | 1            | 3       | 6            | 6            | L          | $oxed{oxed}$       |              |              |              |          |   |
|    |     |            |          |              |                         |                  |              |           |                    | Selenium, Dissolved                      |                                       | UG/L           | 0      | 1            | 1       | 4            | 5            | L          | $oldsymbol{\perp}$ |              | L            | Ш            |          | _ |
|    |     |            |          |              |                         |                  |              |           |                    | Silver, Dissolved                        |                                       | UG/L           | 0      | 1            | 0       | 7            | 5            |            | $\perp$            |              | L            |              |          |   |
|    |     |            |          |              |                         |                  |              |           |                    | Sodium, Dissolved                        |                                       | MG/L           | 0      | 0            | 9       | 3            | 0            | L          | L                  |              | L            |              |          |   |
|    |     | X          |          |              | $\langle \!  $          |                  |              |           |                    | Sulfate, Dissolved (as SO <sub>4</sub> ) |                                       | MG/L           | 0      | 0            | 9       | 4            | 6            | 3          | , 7                |              | L            |              |          |   |
|    |     | X          |          |              | $\langle$               |                  |              | 1         |                    | Total Dissolved Solids (TDS)             |                                       | PPM            | 7      | 0            | 3       | 0            | 0            | 2          | 3                  | 3            | _            |              |          |   |
|    |     |            |          |              |                         |                  |              |           |                    | Total Organic Carbon (TOC)               |                                       | PPM            |        |              | 6       |              |              |            |                    |              |              |              |          | Ĺ |
|    |     |            |          |              |                         |                  |              | ĺ         |                    | Total Organic Halogen (TOX)              |                                       | UG/L           | 7      | 0            | 3       | 5            | 3            |            | $oldsymbol{\perp}$ |              |              |              |          |   |
|    |     |            |          |              |                         |                  |              |           | $oxed{\mathbb{I}}$ | Toxaphene                                |                                       | UG/L           | 3      | 9            | 4       | 0            | 0            |            |                    | L            | L            |              |          |   |
|    |     |            |          |              |                         |                  |              |           |                    | Turbidity                                |                                       | NTU            | 0      | 0            | 0       | 7            | 6            | L          |                    |              |              |              |          | Ĺ |
|    |     |            |          |              |                         |                  |              |           |                    | Zinc, Dissolved                          |                                       | UG/L           | 0      | 1            | 0       | 9            | 0            |            |                    |              |              |              |          |   |
|    |     |            |          |              |                         |                  |              |           |                    | 2, 4-D, Total                            |                                       | UG/L           |        |              | 3       |              | 0            |            |                    | L            |              |              |          | L |
|    |     |            |          |              |                         | _                | $\downarrow$ |           |                    | 2, 4, 5—TP, Total                        |                                       | UG/L           | 13     | 9            | 0       | 4            | 5            | -          | $\perp$            | ot           | L            |              |          | L |
|    |     | X          |          |              | X]                      | _                |              |           |                    | Oil and Grease                           |                                       | HC/F           | 1      | $\downarrow$ | 1       | $\downarrow$ | 1            | 13         | 3.6                | 1            | $\perp$      | $oxed{oxed}$ |          | L |
|    |     | X          | $\bot$   |              | X                       | _                | _]           | XI.       | $\perp$            | Perroleum Hydrocarbons                   | <u> </u>                              | ME/L           | 1      | $\downarrow$ | 1       | 1            | 1            | 上          | 址                  | .0           | 1            | $oxed{oxed}$ | Ш        | L |
|    |     |            | _        | _            | $\downarrow$            | _                | 1            | $\bot$    | $\perp$            |  | ····                                  | 1              | ⊥      | 1            | $\perp$ | 1            | $\downarrow$ | $\perp$    | $\perp$            | $\perp$      | $\perp$      | $oxed{oxed}$ | Ш        | L |
|    |     |            | _        | $\downarrow$ | $\downarrow$            |                  | $\perp$      | $\perp$   | $\downarrow$       |  | · <del>· ···</del>                    |                | 1      | $\downarrow$ | 1       | 1            | $\downarrow$ | 1          | $\perp$            | $\perp$      | $\downarrow$ | <u> </u>     | Ш        | L |
| į  |     | $\Box$     |          | $\downarrow$ |                         |                  | $\bot$       | $\perp$   | 1                  |  | ·                                     |                |        | 1            | _       | $\perp$      | 1            | _          | 丰                  | 1            | $\downarrow$ | _            | Ш        | Ļ |
| ĺ  |     |            |          | _            | _                       | _                | $\perp$      | $\perp$   | $\perp$            |  |                                       |                | $\bot$ | 1            | _       | $\perp$      | 1            | $\perp$    | $\perp$            | $\downarrow$ | <u> </u>     | $\perp$      | $\sqcup$ | Ļ |
| ١  |     |            |          | - 1          |                         | - 1              | - 4          |           |                    | •  |                                       |                |        |              | - 1     |              |              |            |                    |              | 1            | 1            | . ,      |   |

5

## DIVISION OF WATER RESOURCES

#### WATER QUALITY MANAGEMENT ELEMENT

|             |             |          | NT       | WITH I        | BAL       | LP         | OINT PEN  |                             |                |     |    |             | ·              |                |    |          |           |             |                | _      |
|-------------|-------------|----------|----------|---------------|-----------|------------|---|-----------------------------|----------------|-----|----|-------------|----------------|----------------|----|----------|-----------|-------------|----------------|--------|
| ACILITY     | YNAN        | ME G     | eo       | rgia-         | -Pa       | tos        | lfic Corp.  | 5                           | WI             | D N |    |             |                |                |    |          |           |             |                | _      |
| B NAM       | 16          |          | F        | 7,7           | م         | t0         | n Testina   |                             |                |     |    |             |                |                |    |          |           |             |                |        |
| R<br>THE SC | CHED        | NJO<br>S | 0        | <b>*088</b>   | <b>NO</b> | 5 <b>5</b> | WELL PERMIT NO.  WELL PERMIT NO.  TR. M.  TR. M.  TR. M.  TR. M.  TR. M.  MONITORING Well No. MW. |                             |                | AB  | CE | _           | NO<br>ST       | ) <b>.</b>     |    | [        | ram<br>[  | USI         | E              |        |
| _           |             |          |          |               |           |            | SUBMIT WITH SIGNED T-VWX-   | 014                         |                |     |    |             |                |                |    |          |           |             | •              |        |
| _           |             | LING M   |          |               |           |            | ••••  |                             |                |     |    |             |                | •              |    |          |           |             | 1              | HEMANK |
| 4 4         | ₹ <u>\$</u> | 3 \$     | <b>₹</b> | 3 8           | 1         | 8          | ANALYSIS  | UNITS                       | 7/             |     | -  |             | - T            | -              |    | VAL      | UE        |             |                | 1      |
|             | X           |          |          |               |           |            | Elevation of top of well casing with cap off (as specified in well completion report)             | feet MSL:<br>to nearest .01 |                |     |    |             |                |                | 14 | 0 1      |           | Ш           |                |        |
| M           | X           | IX       |          | X             |           |            | Elevation of original ground level (as specified in well completion report)                       | feet MSL:<br>to negrest .01 | Γ              |     |    |             |                | 8              | 3  | II       | 1         | П           | T              |        |
|             | X           |          | 1        | X             |           |            | Depth to water table from top of casing prior to sampling with cap off                            | feet: to                    | 8              | 2   | 5  | 4           | 6              |                | 9  | H        | $\dagger$ | $\sqcap$    | 7              | -      |
|             | M           |          |          |               |           |            | Depth to water table from original ground level prior to sampling                                 | feet: to<br>nearest .01     | 7              | 2   | 0  | 1           | 9              | 6.             | i  | 1        | $\dagger$ | H           | 7              | _      |
|             | 1           |          | <u> </u> |               |           |            | Arsenic, Dissolved  | UG/L as As                  | 6              | 1   | 0  | 0           | 0              | H              |    | +        | $\dagger$ | H           | 十              | _      |
|             | 1           | Ti       |          |               |           |            | Barium, Dissolved   | UG/L as Ba                  | +              | -   | +- | 10          | 5              | H              | İ  | Ì        | $\dagger$ | H           | 7              | _      |
|             | 11          | TT       |          |               |           |            | Biochemical Oxygen Demand - 5 Day   | MG/L                        | 0              | 0   | 13 | 11          | 10             |                | 1  | 1        | Ì         | <del></del> | $\exists$      | _      |
|             |             | TI       |          |               |           |            | Cadmium, Dissolved  | UG/L as Cd                  | 0              | 1   | 0  | 2           | 5              |                |    | T        | 1         | П           | T              | _      |
|             | X           |          | 1        | X             |           |            | Chloride, Dissolved   | UG/L = C                    | 8              | 2   | 2  | 9           | 5              | 9              | 0  | 00       | 1         | $\sqcap$    | 寸              | _      |
| X           | X           | T X      | 1        |               |           |            | Chromium, Dissolved   | UG/L as Cr                  | 0              | 1   | 0  | 3           | 0              | マ              | 2  | 0        |           | $\sqcap$    | 寸              | _      |
| 7           | X           | 1        |          | 1 8           |           |            | Chromium, Dissolved, Hexavalent   | UG/L as Cr                  | 0              | 1   | 2  | 2           | 0              | 4              | 2  | 0        | 1         | П           | 1              |        |
|             | ĬΤ          |          |          |               |           | •          | Chemical Oxygen Demand (COD), Dissolved   | MG/L                        | 0              | 0   | 3  | 4           | 1              | П              |    | T        | T         | П           | T              | _      |
|             |             |          |          |               |           |            | Coliform Group  | N/100 ML                    | 7              | 4   | 0  | 5           | 6              |                |    |          | 1         | П           | $\sqcap$       |        |
|             |             | 1        |          |               |           |            | Color   | Pt · Co                     | 0              | 0   | 0  | 8           | 0              | П              |    | T        | $\top$    | П           | $\sqcap$       | _      |
|             | $\prod$     |          |          |               |           |            | Copper, Dissolved   | UG/L as Cu                  | 0              | 1   | 0  | 4           | 0              |                |    | ١        |           | П           | $\exists$      | _      |
|             |             |          |          |               |           |            | Cyanide, Total  | MG/L as CN                  | 0              | 0   | 7  | 2           | 0              |                |    |          |           | П           | $\exists$      | _      |
|             |             |          |          |               |           |            | Endrin, Total   | UG/L                        | 3              | 9   | 3  | 9           | 0              |                |    |          | T         | П           | $\sqcap$       | _      |
|             |             | 11       | T        |               |           |            | Fluoride, Dissolved   | MG/L as F                   | _              | -   | _  | 5           | +              |                | ı  | 1        | T         | 1.          | $\sqcap$       |        |
|             |             | 11       | T        | TT            |           |            | Gross Alpha, Dissolved  | Pc/L                        | +-             | _   | +  | 0           | _              | П              | T  | Ť        | $\top$    | $\prod$     | $\sqcap$       | _      |
|             |             | 11       | T        |               |           |            | Gross Betz, Dissolved   | Pc/L                        | _              | +-  | +  | +           | 3              |                | П  | 1        | T         | $\prod$     | $\sqcap$       | _      |
|             | 11          | 11       | T        | 11            |           |            | Hardness, Total as CaCO <sub>3</sub>  | MG/L                        | -              | -   | •  | 0           |                |                | П  | $\dashv$ | Ť         | $\prod$     | $\sqcap$       | _      |
|             | $\sqcap$    | 11       | T        | $\top \top$   | Γ         |            | Iron, Dissolved   | UG/L as Fe                  | -              | +   | +- | +-          | 5              | Π              | П  | Ť        | $\top$    | $\forall$   | Π              | _      |
| X           | M           | T X      | (        | TX            | 1         | F          | Lead, Dissolved   | UG/L as Pb                  | _              | -   |    | -           | 9              | ₩.             | 7  | 0        | T         | $\prod$     | $\sqcap$       | _      |
|             |             | 11       | 7-       | 11            | T         | Π          | Lindane, Total  | UG/L                        |                |     | +  | -           | 2              | +              |    |          | $\top$    | $\prod$     | П              | _      |
|             | 11          | 11       | $\top$   |               | Í         | 1          | Manganese, Dissolved  | UG/L                        | <del>-</del>   | ÷   | +- | 5           | +              | T              |    | 1        | T         | 11          | H              | _      |
|             | $\prod$     |          | T        | 11            |           | T          | Mercury, Dissolved  | UG/L                        | 7              | ÷   | ÷  | <del></del> | 0              | T              |    | İ        | Ť         | $\top$      | $\sqcap$       | _<br>  |
| _           |             | ODIN     |          | ULES<br>ON RE |           |            | -   |                             | 29<br>42<br>55 |     |    |             | 23<br>44<br>51 | 34<br>47<br>60 |    |          |           | نييت        | 40<br>53<br>66 | 456    |

#### WATER QUALITY MANAGEMENT ELEMENT

| TY NAM | E                 |             |           |             |              |           | ecific Corp.  |  | ŚW             | 101       | 10.          |           |           |            |          |  |            |        |                    |    |
|--------|-------------------|-------------|-----------|-------------|--------------|-----------|---|--|----------------|-----------|--------------|-----------|-----------|------------|----------|--|------------|--------|--------------------|----|
| AME    |                   |             |           |             |              |           | on Testing  |  |                |           |              |           | -         |            |          |  |            |        |                    |    |
|        | N J C             | N           | 0         | ES          | NC           | ).<br>    | SAMPL   | E DATE<br>10.   DAY<br>  7   2                   | N) L           | <b>1.</b> | _            |           | NC B      | ) <b>.</b> |          |  | wc         |        | SE                 |    |
| SCHEDU | JLE II            | NDI         | CAT       | red         | 88           | !LO       | Monitoring Well No. HW-5 wis to be observed from DIT 87 to SUBMIT WITH SIGNED T-FWX | 11/8/7<br>10 11                                  |                |           |              |           |           | •          | •        | . •                                    |            |        |                    |    |
|        |                   |             |           | _           |              |           | •   |  |                |           |              |           |           |            |          |  |            |        | ٠.                 |    |
| SAMPLI |                   |             |           |             | ٠.           |           |   | ,  |                |           |              |           |           |            |          |  |            |        |                    |    |
| ĒŠĒ    | 4 4               | Į           | 3         | 8           | ž            | å         | ANALYSIS  | UNITS  | <b>P</b> .     | AR/       | AARI         | ETE       | R         |            |          | V                                      | <b>NLU</b> | E      |                    |    |
|        |                   |             |           |             |              |           | Methoxychlor, Total   | UG/L   | 3              | 9         | 4            | 8         | 0         |            |          |  | Ī          |        |                    |    |
|        |                   |             |           |             |              |           | Methylene Blue Active Substances  | MG/L   | 3              | 8         | 2            | 6         | 0         |            |          |  |            |        | $oxed{\mathbb{I}}$ | _  |
| X      |                   |             |           | X           |              |           | Nitrogen, Ammonia, Dissolved NH <sub>8</sub> + NH <sub>4</sub> as I                 | MG/L M   | 0              | 0         | 6            | 0         | 8         | 1.         | 2        |  |            | I      |                    |    |
|        |                   |             |           |             |              |           | Nitrogen, Nitrate, Dissolved  | MG/L as N  | 0              | 0         | 6            | 1         | 8         |            |          |  |            |        |                    | _  |
|        |                   |             | L         |             |              |           | Odor  | T.O.N.   | 0              | 0         | 0            | 8         | 5         |            |          |  |            |        |                    |    |
| M      |                   | 1           | L         | $\boxtimes$ | Ĺ            |           | pH  | Standard Units                                   | 0              | 0         | 4            | 0         | 0         | 5          | 8        | 5                                      |            |        |                    |    |
|        |                   |             |           |             |              |           | Phenois, Total Recoverable  | UG/L   | 3              | 2         | 7            | 3         | 0         |            |          |  |            |        |                    |    |
|        |                   |             |           |             |              |           | Radium 226, Dissolved   | Pc/L   | 0              | 9         | 5            | 0         | 3         |            |          |  |            |        |                    |    |
|        |                   |             |           |             |              |           | Radium 228, Dissolved   | Pc/L   | 8              | 1         | 3            | 8         | 6         | Γ          |          |  |            |        | Ī                  |    |
|        |                   |             |           |             |              |           | Selenium, Dissolved   | UG/L   | 0              | 1         | 1            | 4         | 5         | Γ          |          |  |            |        |                    |    |
|        |                   | Τ           |           |             |              |           | Silver, Dissolved   | UG/L   | 0              | 1         | 0            | 7         | 5         |            |          |  |            |        | T                  |    |
|        |                   | T           | ŀ         |             |              |           | Sodium, Dissolved   | MG/L   | O              | 0         | 9            | 3         | 0         | Γ          |          |  |            |        | T                  |    |
| X      | D                 | $\langle  $ |           | X           |              |           | Sulfate, Dissolved (as SO <sub>4</sub> )  | MG/L   | 0              | 0         | 9            | 4         | 6         | 3          | H        |  |            | $\neg$ | T                  | _  |
| X      |                   | 1           |           | X           | 1            | Π         | Total Dissolved Solids (TDS)  | PPM  | 7              | 0         | 3            | 0         | 0         | 2          | 1        | 4                                      |            | T      | T                  | _  |
|        |                   | T           | Τ         |             |              |           | Total Organic Carbon (TOC)  | PPM  | lo             | 0         | 6            | 8         | 0         | Γ          |          |  |            |        | T                  |    |
| $\top$ | П                 | 1           | Τ         | Γ           | - w          |           | Total Organic Halogen (TOX)   | UG/L   | 7              | 0         | 3            | 5         | 3         | T          | Г        |  |            |        |                    | _  |
|        |                   | T           |           |             | <u>-</u> . – | ī         | Toxaphene   | UG/L   |                | 9         |              |           |           |            |          |  |            | 寸      | 十                  | _  |
|        |                   | 1           | 1         | Π           |              |           | Turbidity   | NTU  | _              | 0         | -            | _         | -         | _          |          |  |            | j      | 1                  | _  |
|        | $\sqcap$          | $\dagger$   | †         | Τ           | T            |           | Zinc, Dissolved   | UG/L   | 10             | _         | <del>-</del> | 9         | +         | +          |          |  |            |        | $\top$             | _  |
|        |                   | +           | $\dagger$ | T           | T            |           | 2, 4-D, Total   | UG/L   |                | 9         | -            | 7         | +         | -          |          |  |            |        | Ť                  | _  |
| 11     | $\sqcap$          | $\dagger$   | T         | T           | 1            | T         | 2, 4, 5-TP, Total   | UG/L   |                | 9         | _            | _         | _         |            |          |  |            |        | $\dagger$          | _  |
| X      |                   | 1           | $\top$    | X           | 1            |           | Oil and Grease  | M6/L   | 1              | T         | T            | T         | T         | 1          | .5       |  |            |        | 1                  | _  |
| X      |                   | 1           | T         | X           | 1            | T         | Perroleum Hydrocarbons  | M6/L   | 1              | T         | T            | T         |           |            | .5       |  |            |        | 1                  | _  |
| 11     |                   | Ť           | 1         | 1           | T            | T         | TELLINE MINIMEDIAL DANS   |  | 十              | 1         | $\dagger$    | T         | T         | T          | ĺ        |  |            |        | $\top$             | _  |
| 11     | $\sqcap$          | $\top$      | T         | T           | 1            | T         |   | 1  | 十              | T         | $\dagger$    | T         | T         | T          | T        |  |            | $\Box$ | $\dashv$           | _  |
| 1      | ††                | $\top$      | $\dagger$ | T           | T            | +         |   |  | T              | $\dagger$ | $\dagger$    | $\dagger$ | t         | T          | T        | $\vdash$                               | П          | H      | +                  | -  |
| ++     | $\dagger \dagger$ | +           | $\dagger$ | †           | $\dagger$    | +         |   |  | 十              | $\dagger$ | $\dagger$    | $\dagger$ | $\dagger$ | T          | $\vdash$ | $\vdash$                               | -          |        | $\dagger$          | -  |
| ++     | ††                | $\top$      | $\dagger$ | +           | $\dagger$    | $\dagger$ |   | <del>                                     </del> | +              | +         | +            | +         | t         | †          | +        | $\vdash$                               | i          |        | <del>-</del>       | -  |
| 1 1    | 1                 |             |           |             |              |           | <u> </u>  |  | 21<br>4:<br>5: | Щ.        |              |           | ٠,        | 3 34       |          | ــــــــــــــــــــــــــــــــــــــ | L.,        |        |                    | 40 |

# NEW JE Y DEPARTMENT OF ENVIRONMENTAL PROTF TION DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

## GROUND WATER ANALYSIS - MONITORING WELL REPORT

| NAME   Prince   Testina   Cos   Sample Date   The Montor   Testina   Testi           |          |                 | NAM   | _                |                |  |          |          |         | _         | fic Corp.  | ·           | VID      | N            | ٥.         |             |               |            |     |            |          |             |          | 7             |
|--|----------|-----------------|---|------------------|----------------|--|----------|----------|---------|-----------|--|-------------|----------|--------------|------------|-------------|---------------|------------|-----|------------|----------|-------------|----------|---------------|
| Name   | ВИ       | AM              | E   | -                | =              |  | -        | <u> </u> | _       |           |  |             |          |              |            |             |               |            | •   |            |          |             |          | ]             |
| Cadmium, Dissolved   UG/L as Ca   1   2   3   0   0   0   0   0   0   0   0   0  | •        | T               | CHEDI   | NJO<br>2         | О              | <b>NJP</b> (                                     | DE<br>4  | s N      | o.<br>6 | 9         | WELL PERMIT NO.  WELL PERMIT NO.  YR. MO  SAMPLE  YR. MO  16  17  Monitoring Well No. MW-1 | N. DAY      | 1 1      | B            | :EP        | ι <b>τ.</b> | NO.           |            |     | *          | 10M      | USE         |          |               |
|  |          |                 |   |                  |                |  |          |          |         |           | SUBMIT WITH SIGNED T-VWX-  | 014         |          |              |            |             |               |            |     |            |          |             | ŧ        | n             |
|  | 5        | e               | A MDI   | INC              | MO             | MTH  | 15       |          |         |           |  | •           |          |              |            |             |               |            |     |            |          |             | 5        | <u>د</u><br>د |
| Second   S           | ë ë      |                 |   |                  |                |  |          | ; è      |         | Ö.        | ANALYSIS   | UNITS       | PA       | RA           | ME         | TE          | R             |            |     | VAL        | UE       | <del></del> |          | , it is       |
| Tas specified in well completion report)   to nearest .01   7   7   7   7   7   7   7   7   7  | X        |                 | XI  | M                | V              |  |          | 1        |         |           | Elevation of top of well casing with cap off (as specified in well completion report)      | -           |          |              |            |             |               | 1          | 2   | . 3        | 30       |             |          |               |
| Depth to water table from top of casing prior to seriest. 201   Seriest to sampling with cap off   Seriest to sampling with cap off   Seriest to prior to sampling   Seriest to prior to           | Ì        |                 | Xi  |                  | X              | Ī  |          | X        |         |           | Elevation of original ground level (as specified in well completion report)                |             |          |              |            |             |               | 9          | . / | 4 3        | 3        |             |          |               |
|  | Ý        |                 | X   |                  | X              |  |          | X        |         |           | Depth to water table from top of casing prior to   |             | 8        | 2            | 5          | 4           | 6             | 9          | •   | 76         |          |             | Ц        |               |
|  |          |                 | M   |                  | X              | Ī  |          | X        | Ī       |           | Depth to water table from original ground level prior to sampling                          |             | 7        | 2            | 0          | 1           | 9             | 7          |     | 0          | 7        |             |          |               |
|  |          | $\dagger$       |   | ij               |                | $\top$   | Ť        |          | Ì       |           |  | UG/L as As  | 0        | 1            | 0          | 0           | 0             |            |     | -          |          |             | $\sqcup$ |               |
|  | 1        | <del> </del>    |   | 11               |                | Ť  | Ť        | 1        | Ì       |           | Barium, Dissolved  | UG/L as Ba  | 0        | 1            | 0          | !0          | 15            |            | ļ   | ļ          | 1        |             |          |               |
| Cadmium, Dissolved   | <u> </u> | <u> </u>        | <u>.</u><br> -                                    | <u> </u>         |                |  | i        | Ī        | 1       |           | Biochemical Oxygen Demand - 5 Day  | MG/L        | 0        | 0            | 3          | 11          | 0             |            |     | 1          | 1        |             |          |               |
| Chromium, Dissolved  | İ        | i               | 11  | i                |                |  | 1        | Ť        | j       |           | Cadmium, Dissolved   | UG/L as Cd  | 0        | 1            | 0          | 2           | 5             |            |     |            | 1        |             |          |               |
| Chromium, Dissolved, Hexavalent    UG/L as Cr   0   1   2   2   0   2   2   0   2   2   0   2   2  | 7        | <del> </del>    | X   | 1                | M              | İ  | Ì        | X        |         |           | Chloride, Dissolved  | UG/L as CI  | 8        | 2            | 2          | 9           | 5             | 1          | 0   | 00         | 21.      |             |          |               |
| Chemical Oxygen Demand (COD), Dissolved  | Á        | +               | X   | +                | X              |  | Ť        | X        |         |           | Chromium, Dissolved  | UG/L as Cr  | 0        | 1            | 0          | 3           | 0             | <          | 2   | 0          | .        |             |          |               |
| Coliform Group   | Ť        | +               |   | Ť                |                |  | 1        |          |         |           | Chromium, Dissolved, Hexavalent  | UG/L as Cr  | 0        | 1            | 2          | 2           | 0             | <          | 2   | 0          |          |             |          | L             |
| Color  | <u> </u> | <u>-</u>        | ii  | <del>-   -</del> |                | 1  | 1        |          |         | -         | Chemical Oxygen Demand (COD), Dissolved  | MG/L        | 0        | 0            | 3          | 4           | 1             |            |     |            |          | $\prod$     |          | L             |
| Copper, Dissolved  |          | +               | <del>                                      </del> | i                |                | <u>i i</u>                                       | 寸        | Ì        |         | Ī         | Coliform Group   | N/100 ML    | 7        | 4            | 0          | 5           | 16            |            |     |            | 1        |             |          |               |
| Copper, Dissolved  | Ť        | $\dagger$       | +   | <del> </del>     | $\vdash$       | H  | 1        |          |         | 1         | Color  | Pt - Co     | 0        | 0            | 0          | 8           | 0             |            |     |            |          | $\Box$      |          |               |
| Cyanide, Total   |          | Ť               | $\dagger \dagger$                                 | 十                | <del>i</del>   | ΙÌ   | ij       |          | _       | 1         |  | UG/L as Cu  | 0        | 1            | 0          | 4           | 0             |            |     |            | T        | T           | $\prod$  |               |
| Endrin, Total    Gross Alpha, Dissolved   MG/L as F   0   0   9   5   0  |          |                 | 11  | <del>-</del>     | † <del>-</del> | Τİ   | ٦        |          |         |           | Cvanide, Total   | MG/L as CN  | 0        | 0            | 7          | 2           | 0             |            |     |            |          |             |          |               |
| Fluoride, Dissolved   MG/L as F   0   0   9   5   0   0   0   0   0   0   0   0   0  | +        | ÷               | + †   | $\top$           | +              | 1  |          |          |         | 1         |  | UG/L        | 3        | 9            | 3          | 9           | 0             | Π          |     | Ī          | -        | T           |          | Γ             |
| Gross Alpha, Dissolved   |          | 卞               | $\dagger\dagger$                                  | 十                | +              | 1 1  |          |          | _       |           |  | MG/L as F   | 0        | lo           | 9          | 5           | 0             | Π          | T   |            |          | 1.          | Π        | Γ             |
|  | $\vdash$ |                 | ++  | +                | $\dagger$      | i  |          |          |         | t         |  | 1           |          | <del></del>  | _          | _           |               | Γ          |     |            | T        | T           | Τ        | Γ             |
| Hardness, Total as CaCO <sub>3</sub> MG/L  UG/L as Fe  UG/L as Pb  UG/L as | F        | +               | +   | $\dashv$         | ╁╴             | $\Box$   |          |          |         | 十         |  |             | 0        | +            | +-         | _           | $\overline{}$ | _          | Τ   |            | $\neg$   | T           | T        | Γ             |
| Iron, Dissolved  |          | 1               | +   |                  | +              | $\Box$   |          |          |         | ╁         |  |             | 0        | 0            | 9          | C           | 0             |            |     | 1          | T        | T           | T        | Γ             |
|  | +        | +               | + !   | $\dashv$         | +              | <del>                                     </del> | _        |          | -       | $\dagger$ | <u> </u>   |             | -+-      |              | ÷          | ÷           |               | +          | T   |            | Ť        | T           | T        | Γ             |
|  | ₩,       | <del>- </del> - | $\forall$   | $\dashv$         | <br> Y         | +  | -        | V        |         | +         |  | <del></del> |          |              |            |             |               |            | 12  | C          |          | 1           | T        | T             |
| VALUE CODING RULES AND       UG/L       0   1   0   5   6  | 싂        | <del></del>     | - 4   | i                | ~              | $\dagger$  | -        | ⇈        | t       | Ť         |  | <del></del> | -        |              |            |             |               | 1-         | T   |            | T        | T           | Ī        | Γ             |
| VALUE CODING RULES AND  Mercury, Dissolved  UG/L  7 1 8 9 0  29 33 34 40  42 46 47 53  55 59 60 66   | <b>T</b> | +               |   | $\frac{1}{1}$    | ╁              | +  | $\vdash$ | +        | +       | +         |  | UG/L        |          | <del></del>  |            |             |               | -          |     |            | Ī        | 1           | T        | T             |
| VALUE CODING RULES AND  29 33 34 40 42 46 47 53 55 59 60 66  | 1 1<br>1 | 1               | 1   | 1                | +              | -  | i<br>I   | +        |         | -         |  | <del></del> | -        |              | ÷          |             |               | +-         | Ī   |            | i        | Ť           | T        | T             |
|  |          | VAI             | <u> </u>  | COD              | INC            | G RI   | L<br>UL  | .ES      | A       | NE        |  | 1 23.2      | 29<br>43 | <del>2</del> | <u>-</u> - |             | 3.4           | 3 3<br>6 4 | 7   | · <u>·</u> | <u> </u> |             | 53       | 3 5 6         |

#### WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS - MONITORING WELL REPORT

| EASE TYPE   | OR PRINT WITH BALLPOINT          | PEN  |   |                  |         |
|-------------|----------------------------------|--|---|------------------|---------|
| FACILITY NA | AME<br>Georgia-Pacif             | ic Corp.                                       |   | SW ID NO.        |         |
| BNAME       | Princeton Te                     | stina Labe                                     | •                                       |                  |         |
| S           | NJPDES NO.<br>NJ 0 0 0 4 6 6 9   | WELL PERMIT NO.  [3] -26200- 16                | SAMPLE DATE YR. MO. DAY  SO 425  17  22 | NJ LAB CERT. NO. | WQM USE |
| тне ѕсне    | Mo:<br>DULE INDICATED BELOW IS T | nitoring Well No.MW-<br>O BE OBSERVED FROM MO. | YR. TO 1 1 YR.                          | 1                |         |

#### SUBMIT WITH SIGNED T-VWX-014

| •  | -          | _           | ING |   |     |     |          |    | ٠, |   |                |           |          |                 |               |              |              | ٠        |             |                |          |          |   |
|----|------------|-------------|-----|---|-----|-----|----------|----|----|---|----------------|-----------|----------|-----------------|---------------|--------------|--------------|----------|-------------|----------------|----------|----------|---|
| g. | Mar.       | Ş           | 립   | Ę | Aug | Sep | 30       | Š  | 0  | ANALYSIS  | UNITS          | P         | AR       | AM:             | ETE           | ER           |              |          | <b>4</b> ٨/ | ALL            | JE       |          | • |
|    |            |             |     |   |     |     |          |    |    | Methoxychior, Total   | UG/L .         | 3         | 9        | 4               | 8             | 0            |              |          |             |                |          |          | T |
|    |            |             |     |   |     |     |          |    |    | Methylene Blue Active Substances                                    | MG/L           | 3         | 8        | 2               | 6             | 0            | Γ            | Г        | П           | П              | T        | T        | T |
|    | $\nearrow$ |             |     | X |     |     | X        |    |    | Nitrogen, Ammonia, Dissolved NH <sub>3</sub> + NH <sub>4</sub> as N | MG/L as N      | o         | 0        | 6               | 0             | 8            | <            | •        | 1           | 5              | T        | T        | 1 |
|    |            |             |     |   |     |     |          |    |    | Nitrogen, Nitrate, Dissolved  | MG/L as N      | 0         | 0        | 6               | 1             | 8            | Π            |          |             | П              | П        | T        | 1 |
|    |            |             |     |   |     |     |          |    |    | Odor  | T.O.N.         | 0         | 0        | 0               | 8             | 5            | Γ            | Γ        |             | П              |          | T        |   |
|    |            |             |     | X |     |     | X        |    |    | На  | Standard Units | 0         | 0        | .4              | 0             | 0            | 6            |          | 0           | 5              |          | 1        |   |
|    | Ī          |             |     |   |     |     |          |    |    | Phenois, Total Recoverable  | UG/L           | 3         | 2        | 7               | 7             | 0            | -            | Γ        |             | П              |          | 1        |   |
|    |            |             |     |   |     |     |          |    |    | Radium 226, Dissolved   | Pc/L           | 0         | 9        | 5               | 0             | 3            | Γ            | Γ        |             | П              | П        | $\top$   | - |
|    |            | -           |     |   |     |     |          |    |    | Radium 228, Dissolved   | Pc/L ·         | 8         | 1        | 3               | 6             | 6            | Γ            | Γ        |             | $\prod$        |          | $\top$   | _ |
|    |            |             |     |   |     |     |          |    |    | Selenium, Dissolved   | UG/L           | 0         | 1        | 1               | 4             | 5            | Γ            | Γ        |             | П              | $\sqcap$ | $\top$   | - |
|    | 1          | ĺ           |     |   |     | ļ   | ]        |    |    | Silver, Dissolved   | UG/L           | 0         | 1        | 0               | 7             | 5            | Γ            | Γ        |             | П              |          | T        | • |
| Ì  |            |             |     |   |     |     |          |    |    | Sodium, Dissolved   | MG/L           | 0         | 0        | 9               | 3             | 0            | Γ            | Π        |             | П              |          | $\top$   | - |
|    |            | $\langle  $ |     | X |     | ļ   | IX       |    |    | Sulfate, Dissolved (as SO <sub>4</sub> )                            | MG/L           | 0         | 0        | 9               | 4             | 6            | 3            | 6        |             | П              | ΠÌ       | $\top$   | - |
|    | $\supset$  |             |     | X |     | ļ   | Ķ        | 1  |    | Total Dissolved Solids (TDS)  | PPM            | 7         | 0        | 3               | _             | 0            | _            | 1        | 5           |                |          | 1        | _ |
|    | Ī          |             | İ   |   |     | i   | !        |    |    | Total Organic Carbon (TOC)  | PPM            | 0         | 0        | 6               | 8             | 0            | T            | Ė        | Ī           | П              | Ì        | T        | - |
|    | i          | T           |     |   | 1   | İ   | 1        | Γ  |    | Total Organic Halogen (TOX)   | UG/L           | 7         | 0        | 3               | 5             | 3            | T            | T        |             | П              | 广        | +        | - |
|    |            |             |     |   |     | Γ   | Π        |    |    | Toxaphene   | UG/L           | 3         | 9        | ÷               | +-            | 0            | +-           | T        |             |                | $\sqcap$ | 十        | - |
|    |            |             |     |   |     | Ī   |          | İ  | Τ  | Turbidity   | NTU            | +-        | 10       | +               | <del></del> - | <del>-</del> | ┰            | T        | Н           | H              | Τ̈́      | +        | - |
|    |            | T           |     |   |     | Ī   | Ī        |    |    | Zinc, Dissolved   | UG/L           | +-        | 1        | <del>+-</del> - | <del>-</del>  | 0            | +-           | $\vdash$ | Т           | H              | $\sqcap$ | ╁        | - |
| Ī  |            | T           |     |   |     |     | 1        |    |    | 2, 4-D, Total   | UG/L           | +         | -        | +               | +             | 0            | -            | T        | T           |                | $\sqcap$ | ╁        | - |
|    |            | T           |     |   |     |     |          |    | 1  | 2, 4, 5-TP, Total   | UG/L           | -         | -        | ٠               |               | 5            | -            | T        | $\vdash$    | $\Box$         | $\Box$   | 十        | - |
| Ī  | i)         | $\langle  $ |     | X |     |     | X        | 1  | Ī  | Oil and Grease  | ME/L           | 1         | T        | T               | †             | T            | 12           |          | 2           |                |          | 十        | - |
|    |            |             | Ī   | X |     | 1   | X        | 1  | T  | Petroleum Hydrocarbons  | MG/L           | T         | $\top$   | T               | 1             | T            | <b>.</b>     | 9        | 2           |                | 广        | $\dashv$ | - |
| ١  | ĺ          | Ī           |     |   | Ī   | 1   | 1        | Ì  | Τ  |   |                | T         | Ť        | T               |               | Ť            | Ť            | Ť        |             |                | ΓŤ       | 十        | - |
| !  |            | T           |     |   |     |     |          | .  |    |   |                | T         | †        | T               | 1             | $\top$       | T            | T        | T           |                | 广        | +        | - |
|    | İ          | 1           | i   | į |     | İ   | İ        | Ī  | Τ  |   |                | $\dagger$ | †        | i               | Ť             | T            | 十            | Ť        | $\dagger$   |                | $\vdash$ | +        | - |
|    |            |             | i   | - |     | -   | !        |    | 1  |   |                | $\dagger$ | T        | $\dagger$       | $\dagger$     | Ť            | 十            | i        | $\vdash$    | -              | ΙŤ       | +        | - |
|    | 1          | Ī           | T   |   | l   | ï   | Ī        | i  | Ī  |   |                | 1         | t        | ÷               | +             | ÷            | T            | T        | t           | <del>- '</del> | 1        | <u> </u> | - |
|    | LUE        |             |     |   | _   |     | <u> </u> | ·- |    | <u> </u>  | 1              | 29<br>42  | <u>'</u> | 1               | <u>:</u>      | 3:           | 3 34<br>6 47 | <u>,</u> | <u>-</u>    | <del></del>    |          | 1<br>5   | 7 |

VALUE CODING RULES AND REMARK CODES ON REVERSE

42 46 47 55 59 60 68 72 73

66 67 79 80

# NEW JE Y DEPARTMENT OF ENVIRONMENTAL PROTF TION DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

| EASE TYPE OR PRINT WITH BALLP CILITY NAME Georgia-Pact  |   | SV                          | VID NO.        |   | $\neg$   |
|---|---|-----------------------------|----------------|---|--|
| R NAME V  |   |                             |                |   |  |
| NIPDES NO.  RIPDES NO.  RIPDES NO.  RIPDES NO.  THE SCHEDULE INDICATED BELO   | WELL PERMIT NO.  WELL PERMIT NO.  YR. MO  SAMPLE YR. MO  10  17  Monitoring Well No. MW-2 | B4 1                        | 1 LAB CERT. NO | WOM USE                                 |  |
| •   | SUBMIT WITH SIGNED T-VWX-0  | <u>)14</u>                  |                |   | IKS  |
| SAMPLING MONTHS  July A May 2 Cop. 10 Cop. 20 | ANALYSIS  | UNITS                       | PARAMETER      | VALUE                                   | ]<br>nemarks                                     |
| XI XI XI XI XI  | Elevation of top of well casing with cap off (as specified in well completion report)     | feet MSL:<br>to nearest .01 |                | 13.89                                   | 44   |
| MINIMI  | Elevation of original ground level (as specified in well completion report)               | feet MSL:<br>to nearest .01 |                | 11.46                                   | _ _  |
| MIMIMIM   | Depth to water table from top of casing prior to sampling with cap off                    | feet: to<br>nearest .01     | 8 2 5 4 6      | 27.13                                   |  |
| MIXIXI  | Depth to water table from original ground level prior to sampling                         | feet: to<br>nearest .01     | 7 2 0 1 9      | 24.70                                   |  |
|   | Arsenic, Dissolved  | UG/L as As                  | 0 1 0 0 0      |   | H  |
|   | Barium, Dissolved   | UG/L as Ba                  | 0 1 0 0 5      |   |  |
|   | Biochemical Oxygen Demand - 5 Day   | MG/L                        | 0 0 3 1 0      |   | -  |
|   | Cadmium, Dissolved  | UG/L as Cd                  | 0 1 0 2 5      |   | ╌  |
| XIXIXIXI  | Chloride, Dissolved .   | UG/L as CI                  | 8 2 2 9 5      | 10101-1-1-                              | $\vdash \vdash$                                  |
|   | Chromium, Dissolved   | UG/L as Cr                  | 011030         | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | ـ  |
|   | Chromium, Dissolved, Hexavalent   | UG/L as Cr                  | 0 1 2 2 0      | K1201.1                                 | <del>                                     </del> |
|   | Chemical Oxygen Demand (COD), Dissolved   | MG/L                        | 0 0 3 4 1      |   | <del>!    </del>                                 |
|   | Coliform Group  | N/100 ML                    | 7 4 0 5 6      | <del></del>                             | ╀-   |
|   | Color   | Pt - Co                     | 0 0 0 8 0      |   | igsqcut  |
|   | Copper, Dissolved   | UG/L as Cu                  | 0 1 0 4 0      |   | $\bot \bot$                                      |
|   | Cyanide, Total  | MG/L as CN                  | 0 0 7 2 0      |   | $\bot \bot$                                      |
|   | Endrin, Total   | UG/L                        | 3 9 3 9 0      |   | <u> </u>   |
|   | Fluoride, Dissolved   | MG/L as F                   | 0 0 9 5 0      |   | $\bot \bot$                                      |
|   | Gross Alpha, Dissolved  | Pc/L                        | 0 1 5 0        | 3                                       | 11   |
|   | Gross Beta, Dissolved   | Pc/L                        | 0 3 5 0        | 3                                       | $\bot \bot$                                      |
|   | Hardness, Total as CaCO <sub>3</sub>  | MG/L                        | 0090           |   |  |
|   | Iron, Dissolved   | UG/L as Fe                  | 0 1 0 4        | 6                                       |  |
|   | Lead, Dissolved   | UG/L as Pb                  | 0 1 0 4        | 9 < 120.1                               |  |
|   | Lindane, Total  | UG/L                        | 3 9 7 8        | 2                                       |  |
| <del>▍</del> <del>▕▕▕▕▕▕▕▕▕</del>   | Manganese, Dissolved  | UG/L                        | 0   1   0   5  | 6                                       | 1  |
|   | Mercury, Dissolved  | UG/L                        | 7 1 1 8 9 !    |   | 1  |
| VALUE CODING RULES AN<br>REMARK CODES ON REVE   | D   |                             | 42<br>55<br>68 | 33 34<br>46 47<br>59 60<br>72 73        | 40 4<br>53 5<br>66 6<br>79 8                     |
| HEINIARA CODES ON REVE  | 3   |                             | TTA.           | ACHMENT I                               | -13  |

# NEW JEF 'DEPARTMENT OF ENVIRONMENTAL PROTECT'N DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

| IAN      | ( NAI       |          | <u> </u> |          | <u>01</u> |              | _      |           | cific Corp. Testina   |                |                 |                |  |             |             |                      |           | _                  |                               | •  |             |                      |         |
|----------|-------------|----------|----------|----------|-----------|--------------|--------|-----------|---|----------------|-----------------|----------------|--|-------------|-------------|----------------------|-----------|--------------------|-------------------------------|--|-------------|----------------------|---------|
| S        |             | ИŊ       | 0        | נמ       | PDI       | <b>ES</b>    | 1      | 6         | WELL PERMIT NO.  SAMPLE  YR. M  SAMPLE  YR. M  SAMPLE  YR. M  SAMPLE  YR. M  No. MW-2  Monitoring Well No. MW-2 |                | ر ر<br>[]<br>23 | AB (           | /<br>/   | RΤ.         | NO<br>27    | •                    | ù.        |                    | wc                            | 28   | USE<br>]    |                      |         |
| E S      | CHEC        | ULE      | INC      | nc       | :AT       | ED           | 88     | LO        | WIS TO BE OBSERVED FROM TO MO. YR.  | MO. YR.        |                 |                |  |             |             |                      |           |                    |                               |  |             |                      |         |
|          |             |          |          |          |           |              |        |           | SUBMIT WITH SIGNED T-VWX  | -014           |                 |                |  |             |             |                      |           |                    |                               |  |             | u                    | 'n      |
| s        | AMP         | LING     | S MO     | N1       | гнs       | ;            |        |           |   |                |                 |                |  |             |             |                      |           |                    |                               |  |             | ADK                  | Ž       |
| Mar.     | Apr.        | June     | July     | Aug.     | Sept.     | Oct.         | Nov.   | D<br>60   | ANALYSIS  | UNITS          |                 |                |  | ETE         |             |                      |           | V.                 | ALL                           | JE   | <del></del> | BEE                  | REMAKES |
|          |             |          |          |          |           |              |        |           | Methoxychlor, Total   | UG/L           | +-              | <del>}</del> — | <del>!                                    </del> | 8           | -           |                      | _         | _                  |                               |  | $\dashv$    | +                    | _       |
|          |             |          |          |          |           |              |        | _         | Methylene Blue Active Substances  | MG/L           | -               | <del>i</del>   | +  | 6           | <del></del> | Ļ                    | _         | Ļ                  | $\sqcup$                      |  | $\bot$      | +                    |         |
|          | X           | $\prod$  | M        |          |           | X            | 1      |           | Nitrogen, Ammonia, Dissolved NH <sub>3</sub> + NH <sub>4</sub> as I   |                | +-              | <del>} -</del> | +-   | 0           | ┿           | 2                    | ·         | 0                  | 닏                             | $\sqcup$   | 4           | 4                    | _       |
|          |             |          |          |          |           |              |        |           | Nitrogen, Nitrate, Dissolved  | MG/L as N      | +               | 0              | <del>-</del>                                     | <del></del> | 8           |                      | L         | ╀                  | igspace                       | $\sqcup$   | $\perp$     | 1                    | _       |
|          |             |          |          |          | <u> </u>  |              | _      |           | Odor  | T.O.N.         | -               | <del></del>    | +  | 8           | +-          | Ļ                    | Ļ         | Ļ                  | Ļ                             | Ц  | 4           | +                    | _       |
|          | M           |          | X        | _        |           | $\geq$       | 1      |           | На  | Standard Units | +               | †              | <del></del>                                      | +           | +           | 6                    | ŀ         | 3                  | 10                            | $\sqcup$   |             | 4                    | _       |
|          |             |          |          |          |           |              |        |           | Phenois, Total Recoverable  | UG/L           | 3               | 2              | +-   | 3           | +           |                      | ot        | $\downarrow$       | <u> </u>                      |  | $\perp$     | 4                    | _       |
|          |             |          |          |          |           |              |        |           | Radium 226, Dissolved   | Pc/L           | -               | 9              | <del></del>                                      | 0           | 3           | Ļ                    | Ļ         | 1                  | <u> </u>                      |  | ot          | 4                    | _       |
| T        |             |          |          |          |           |              |        |           | Radium 228, Dissolved   | Pc/L           | 8               | 1              | 3  | 6           | 6           | L                    | ot        | 丄                  | $oldsymbol{oldsymbol{\perp}}$ | igsqcut  | $\sqcup$    | 4                    | _       |
|          |             |          |          |          |           |              |        |           | Selenium, Dissolved   | UG/L           | 0               | 1              | 1  | 4           | ┿           |                      | Ļ         | $\downarrow$       | $oldsymbol{\perp}$            | _  | $\coprod$   | 4                    | _       |
| T        |             |          |          |          |           |              |        |           | Silver, Dissolved   | UG/L           | 0               | 1              | 0  | 7           | 5           | L                    | ot        | $\perp$            | 丄                             |  | $\sqcup$    | 4                    |         |
| T        |             |          | -        |          |           |              |        |           | Sodium, Dissolved   | MG/L           | 0               | 0              | 9  | 3           | 0           | $oldsymbol{\perp}$   |           | $oldsymbol{\perp}$ | _                             | Ļ  | $\sqcup$    | $\perp$              | _       |
| 1        | X           | Ī        | X        |          |           | I)X          |        | T         | Sulfate, Dissolved (as SO <sub>4</sub> )  | MG/L           | 0               | 0              | 9  | 4           | 6           | 7                    | <u>'C</u> | ) .                | <u> </u>                      |  | Ц           | $\perp$              | _       |
|          | X           | 1        | X        |          | İ         | Ņ            | 1      |           | Total Dissolved Solids (TDS)  | РРМ            | 7               | 0              | 3  | 1 0         | 10          | 14                   | 10        | 16                 | 1.                            | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |             | ┙                    | _       |
| 1        | 11          |          |          |          | i         | Ī            | T      | T         | Total Organic Carbon (TOC)  | РРМ            | 0               | 0              | ) e  | 8           | 0           |                      | $\perp$   |                    |                               | <u> </u>   | Ш           | $\perp$              |         |
| $\top$   |             | T        |          |          | Ī         | T            | T      | T         | Total Organic Halogen (TOX)   | UG/L           | 7               | O              | ) 3  | 5 5         | i   3       |                      |           |                    |                               | L  | Ш           |                      |         |
| T        |             | T        |          |          | Ī         | T            | 1      |           | Toxaphene   | UG/L           | 3               | 9              | 1 4  | t C         | )   0       |                      |           |                    |                               |  |             | _                    | Ĺ       |
| Ť        |             | $\neg$   | Ì        | 1        | T         | Ī            | T      | 1         | Turbidity   | NTU            | C               |                |  | ) 7         | ' (e        |                      |           |                    |                               |  |             | $\bot$               |         |
| $\top$   |             | $\dashv$ | 1        | T        | T         | Ť            | T      | T         | Zinc, Dissolved   | UG/L           | C               | )   1          |  | ) (         | ) (         |                      |           |                    |                               |  |             |                      |         |
| Ť        |             | T        | T        | T        | T         | Ī            | $\top$ |           | 2, 4-D, Total   | UG/L           | ]3              | 3   9          | 3  | 3 7         | 7 0         |                      |           |                    |                               |  |             |                      | Ĺ       |
| Ť        |             |          | $\top$   | T        | T         | Ť            | 十      | T         | 2, 4, 5—TP, Total   | UG/L           | 7               | 3 9            | 9   0  | ) (         | 1 5         | 1                    | Ι         | $oxed{\mathbb{L}}$ | $oxed{\mathbb{I}}$            |  |             | $\Box$               |         |
| $\dashv$ | X           |          | X        | 1        |           | 1            | X      | $\top$    | Oil and Grease  | NG/L           |                 |                |  |             |             | T                    | Λ.        | , 2                | 4                             | T  |             |                      |         |
| Ī        | ΪX          | T        | X        |          | Ť         | 1            | X      | $\top$    | Petroleum Hydrocarbons  | MG/L           | 1               | T              | 1  |             |             | 7                    | <u>থ.</u> | . 6                | كاد                           | <u>7</u>   |             |                      |         |
| 1        | 1           |          | -/-      | Ì        | T         | 1            | 1      | Ť         | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,   |                | T               | T              | T  | T           | T           | T                    | T         | Ţ                  | $\prod$                       | T  |             |                      |         |
| +        | İ           |          | Ť        | 1        | 1         | Ť            | İ      | $\dagger$ |   |                |                 | 1              | T  | T           |             | T                    | T         | T                  | T                             | T  |             |                      | ſ       |
| Ť        | i           |          | i        | ļ        | i         | Ì            | i      | $\top$    | ı   |                |                 | T              | Ì  | T           | 1           | T                    | T         | T                  | T                             | T  |             |                      | ſ       |
| i        | İ           |          | Ť        | Ī        |           | i            | Ì      | !         |   |                | 7               |                |  | T           | 1           | T                    | T         | T                  | i                             |  | T           |                      | ſ       |
| <u> </u> | <del></del> |          | 1        | i        | i         | <del> </del> | i      | i         | 1.  |                | 1               | Ì              | Ī  | Ì           | İ           | 1                    | Ī         | ī                  | T                             |  | T           |                      | T       |
|          |             |          | DIN      | <u> </u> |           | <u>-</u> -   |        |           |   |                | 2<br>4<br>5     | 9              |  |             |             | 33 3<br>46 4<br>59 6 | 17        |                    |                               |  |             | 10<br>53<br>66<br>79 | 3       |

# NEW JE Y DEPARTMENT OF ENVIRONMENTAL PROTF TION DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

| NAME            | 7  | ファ   |               |              | 1_               | _              | -        | Testina Labs  |                             |             |               |                |             |        |                      |                |               |            |      |             |   |
|-----------------|--|--|---------------|--------------|------------------|----------------|----------|---|-----------------------------|-------------|---------------|----------------|-------------|--------|----------------------|----------------|---------------|------------|------|-------------|---|
| R<br>1          | NJ   | 0 (c)  | <b>NJ</b>     | POI          | FD 8             | 6              | þ<br>Mo  | WELL PERMIT NO.  SAMPLE YR. MO  16  17  Monitoring Well No. MW-3 IS TO BE OBSERVED FROM MO. YR. | 44                          | / <br>      | B C           | EP<br>/        | ιτ.<br>/ ]  | NO.    |                      |                | Į,            | VO.        | M US | ε           |   |
|                 |  |  |               |              |                  |                |          | SUBMIT WITH SIGNED T-VWX-0  | 14                          |             |               |                |             |        |                      |                |               |            |      |             | • |
| SAM!            | May<br>VEN                                       |  | Aug.          |              | Oct.             |                | į        | ANALYSIS  | UNITS                       | PA          | RA            | ME             | TE          | R      |                      | <u> </u>       | VA!           | LUE        | :    | <del></del> | - |
| TM              | Ī  | X  |               |              | M                | T              | T        | Elevation of top of well casing with cap off (as specified in well completion report)           | feet MSL:<br>to nearest .01 |             |               |                |             |        | 1                    | 2              |               | <u>)</u> : | 3    |             |   |
|                 | 1  | X  |               |              | X                | 1              | 7        | Elevation of original ground level (as specified in well completion report)                     | feet MSL:<br>to nearest .01 |             |               |                |             |        |                      | 0              | <u>. </u>     | 11         | 4    |             |   |
|                 |  | X  |               |              | X                | i              | 1        | Depth to water table from top of casing prior to sampling with cap off                          | feet: to<br>nearest .01     | 8           | 2             | 5              | 4           | 6      | 2                    | 7              | •             | 1 3        | 8    |             |   |
| $+\dot{\gamma}$ |  | X  | 1             | <del> </del> | M                | 1              | 1        | Depth to water table from original ground level prior to sampling                               | . feet: to<br>nearest .01   | 7           | 2             | 0              | 1           | 9      | 2                    | 5              |               | 2          | 9    |             |   |
| -    /\         |  | 1  | <u>J</u>      | ├            | $\mathbb{H}$     | $\dashv$       | +        | Arsenic, Dissolved  | UG/L as As                  | 0           | 1             | 0              | 0           | 0      | П                    | П              | П             |            |      | T           |   |
| 1 1             |  | <u> </u>                                     | $\frac{1}{1}$ | <u> </u>     | 1                | <del>-</del> ¦ | ┪        | Barium, Dissolved   | UG/L as Ba                  | 0           | 1             | 0              | !0          | 15     | Γ                    |                |               | Ī          | 1    | Ţ           |   |
| 1 1 1 .         | <u>'                                    </u>     | <u>:</u>                                     | <del>1</del>  | ┼            | <u> </u>         | <del>-</del>   | 1        | Biochemical Oxygen Demand - 5 Day   | MG/L                        | 0           | 0             | 13             | 1           | 0      | Γ                    |                |               | İ          | İ    | T           |   |
|                 | 1 1  | +  | ╀             | <del> </del> | -                |                | -        | Cadmium, Dissolved  | UG/L as Cd                  | 0           | 1             | 0              | 2           | 5      | Γ                    |                |               |            |      | Т           |   |
| +               | <del>}                                    </del> | $\frac{1}{\lambda}$                          | ╁╴            | +-           | $\forall$        | ┪              | $\dashv$ | Chloride, Dissolved   | UG/L as CI                  | 8           | 2             | 2              | 9           | 5      | 17                   | 18             | 0             | 0          | a    | T           |   |
| -               | ╁┼   | +  | +             | ╁            | $\aleph$         | $\dashv$       |          | Chromium, Dissolved   | UG/L as Cr                  | 0           | 1             | 0              | 3           | 0      | 1                    | 12             | 0             |            |      | T           |   |
| -   -           | 1 1  |  | 4             | +            | $\cap$           |                |          | Chromium, Dissolved, Hexavalent   | UG/L as Cr                  | 10          | 1             | 2              | 2           | 0      | マ                    | 12             | 0             |            |      | T           |   |
| 1 1             | 1 1  | +  | +             | +            |                  |                |          | Chemical Oxygen Demand (COD), Dissolved   | MG/L                        | 10          | 0             | 3              | 4           | 1      | Γ                    | Π              | Ī             |            |      | T           |   |
|                 | 1 1  | +  | $\frac{1}{1}$ | ┿            | 1                |                |          | Coliform Group  | N/100 ML                    | 7           | 4             | io             | 5           | 16     | T                    | T              | Τ             |            |      | T           |   |
|                 | 1 1  | +  | +             | 十            | 十                |                | -        | Color   | Pt - Co                     |             | _             | -              | <del></del> | 10     | -                    | T              | İ             | 1          | П    | T           | Ī |
|                 | + 1  | $\dashv$                                     | +             | +            | +-               | _              | $\vdash$ | Copper, Dissolved   | UG/L as Cu                  | -           |               |                | -           | 0      | +                    | Ť              | T             | Ī          | I    | $\top$      | _ |
| 1 1             | +  | +  | +             | +            | +-               | ├              | -        |   | MG/L as CN                  | -           | <del></del> - | _              |             | 2 0    | -                    | T              | Ť             | İ          |      | T           | _ |
|                 | +  |  | +             | +            | +                | ├              | +        | Cyanide, Total  | UG/L                        | _           |               | <del></del>    | _           | 0      |                      | Ť              | Ť             | Ī          |      | Ī           | _ |
| 1 1 1           | ! !  |  | +             | +            | ╄                | ⊢              | ╁        | Endrin, Total   | MG/L as F                   |             | <del>-</del>  |                | <del></del> | 5 0    | _                    | Ť              | Ť             | T          | П    | ग           | _ |
|                 | -  |  | +             | +            | +-               | ╁╴             | ╀        | Fluoride, Dissolved   | Pc/L                        |             | 1             | +-             | 5 (         | $\neg$ | +-                   | 十              | Ť             | T          |      | $\dashv$    | _ |
|                 | +-   |  | +             | +            | +-               | ╀              | ╀        | Gross Alpha, Dissolved  | Pc/L                        | 1           | -             | 1              | _           | _      | _                    | $\top$         | Ť             | T          |      | $\dashv$    | Ī |
| 1 1 1           | +-   |  | -             | +            | +-               | ╀              | ╀        | Gross Beta, Dissolved Hardness, Total as CaCO <sub>3</sub>                                      | MG/L                        | 1           | -+-           |                | -           | 0 0    | -                    | $\dagger$      | 十             | Ť          |      | ヿ           | Γ |
| 1 1 1           | +  | $\left  \cdot \right $                       | <del> </del>  | +            | +                | +              | +        | Iron, Dissolved   | UG/L as Fe                  | <del></del> |               | <del>-</del> - |             | 4 6    | -+-                  | Ť              | Ť             | T          | Ħ    |             | Γ |
| 1 1 1           | 1  |  | ᆉ             | +            | +                | ╁              | ╀        |   | UG/L as Pb                  | _1_         | _1_           |                |             | _      | _                    | <u> </u>       | 2 6           | ١          |      | j           | Γ |
| 1 1 1           | <u>X</u>   | <u> </u>                                     | ᄾᆛ            | +            | <del>-  </del> X | 4              | +        | Lead, Dissolved   | UG/L                        | _+          | <u>-</u> -    | <u> </u>       | _           | 8      |                      | T              | Ť             | Ť          | İ    |             | Ī |
| 1 1 1           | <u> </u>   | <u>                                     </u> | 4             | _            | -                | +              | +        | Lindane, Total  | UG/L                        | _           | <u> </u>      |                |             | 5 !    | -+-                  | <del> </del>   | 十             | Ť          | i    |             | ╁ |
|                 | <u>!</u>   | <u>                                     </u> | <u> </u>      | !            |                  | +              | 1        | Manganese, Dissolved  Mercury, Dissolved  | UG/L                        |             |               | ÷              | ÷           | 9 :    | -+-                  | <del>-  </del> | $\frac{1}{1}$ | 1          |      |             | İ |
| VALU            | E CC   | ווסכ<br>ווסכ                                 | ug.           | RL           | LES              | - <u>-</u> -   | NE       |   |                             | 24          | 9<br>2<br>5   |                |             |        | 33 3<br>46 4<br>59 6 | 17             |               |            |      |             |   |

REMARK CODES ON REVERSE

WATER QUALITY MANAGEMENT ELEMENT

| ILI          | TY N          | AME  |  | Geo  | or                | gia  | -Pa                | cific Corp.   |                | SI                                    | N 10       | NC            | 0.            |               |               |          |          |           |               |            |  |          |
|--------------|---------------|--|--|--|-------------------|--|--------------------|---|----------------|---------------------------------------|------------|---------------|---------------|---------------|---------------|----------|----------|-----------|---------------|------------|--|----------|
| NA           | ME            |  |  |  |                   | sie  | $T^{-}$            |   |                | •                                     |            |               |               |               |               |          |          |           |               |            |  |          |
|              |               |  |  | ¥  |                   | -  |                    |   | AMPLE D        |                                       |            |               |               |               |               |          |          | ſ         | •••           | •          |  | ī        |
| _            | _             |  |  | _  | _                 | ES NO  |                    |   | R. MO.         | 10AY N                                | 7          | 7             | CE I          | 71.           | 7             | ).<br>   |          | 1         | AA4           | שיי<br>ייש | JSE<br>]                                     |          |
| S            |               | N  | لمٍا   | ol   | <u>ol</u>         | 4 6  | 6                  | 9 31-2620H-1 19   | <u> 101017</u> |                                       | 23         | <u> </u>      |               | /_            | 27            |          |          |           |               |            | <u> </u>                                     | ╛        |
| •            |               |  | •  |  |                   |  |                    | Monitoring Well No. MW-3  | **             |                                       |            |               |               |               |               |          |          |           |               |            |  | _        |
| ΗE           | SCHE          | וטם  | E IN   | DIC.   | ΑT                | ED B   | ELC                | WIS TO BE OBSERVED FROM MO. YR.   | то Ц           | MO VR                                 |            |               |               |               | ٠             |          |          |           |               |            |  |          |
|              |               |  |  |  |                   |  |                    |   |                |                                       |            |               |               |               |               |          |          |           |               |            |  |          |
|              |               |  |  |  |                   |  |                    | SUBMIT WITH SIGNED 1  | -VWX-01        | 4                                     |            |               |               |               |               |          |          |           |               |            |  |          |
|              | SAM           | PLII   | IG M   | ONT  | HS                | 3  |                    |   |                |                                       |            |               |               |               |               |          |          |           |               |            |  |          |
| يَ           | Mar.          | Way  | en A   | ġ  | pt.               | Oct.   | . g                | ANAL VOIC   |                | UNITS                                 | <b>D</b> / |               | A 8.8         | ETE           | : 0           |          |          | v         | ALI           | 15         |  |          |
| <u> </u>     | ₹ ₹           | <b>∑</b>                                     | <u> </u>   | <b>₹</b>                                     | ፚ                 | Ŏ Ż  | ī                  | ANALYSIS  | ·              |                                       | _          |               |               |               |               | 1        | 1        | T         | _             | 1          | ÷  |          |
| $\downarrow$ | _             | -  |  |  | _                 | -  | $oldsymbol{\perp}$ | Methoxychior, Total   |                | UG/L                                  | ┪          | -             | +-            | 8             | ┼~            | +        | $\vdash$ | ╀┦        | -             |            | $\dashv$                                     |          |
| 4            |               |  | -  | $\square$                                    |                   |  | +                  | Methylene Blue Active Substances Nitrogen, Ammonia, Dissolved NH <sub>3</sub> + N | H. as Ni       | MG/L                                  | +          | 0             | +-            | 6             | +-            | +-       | ├        | 6         | ┝             | $\square$  | $\dashv$                                     |          |
| 4            | <u>-X</u>     |  | ЦХ   | $\vdash$                                     |                   | XI-  | +-                 |   | 4 43 14        | MG/L as N                             | ₩          | ┿             | ┿             | 1             | +             | ┿        | 0        | 9         | ├             |            | $\dashv$                                     | _        |
| +            | +             | $\frac{ \cdot }{ \cdot }$                    | +  |  |                   | 1 1  | +-                 | Nitrogen, Nitrate, Dissolved  | <del></del>    | T.O.N.                                | +          | +             |               | 8             | +             | +        | $\vdash$ | +         | -             | $\vdash$   | +  | -        |
| +            | +             | <u>                                     </u> | +  |  |                   | ₩  | ╀                  | Odor  |                | tandard Units                         | -          |               | +-            | <del></del>   | +-            | 6        | -        | 7         | 0             | +-         |  |          |
| -            | _X            | -  | -   X  | $\square$                                    | _                 | X  | +                  | Phone In Total Recoverable  | - 3            | UG/L                                  | +-         | _             | $\overline{}$ | 3             | +-            | +        | -        | +         | ۲             |            | $\dashv$                                     | _        |
| 1            | -             | $\frac{1}{1}$                                | +  |  |                   |  | +                  | Phenois, Total Recoverable  |                | Pc/L                                  | +-         | 9             | +             | +             | -             |          | ╁        | +         | H             | -          | $\vdash$                                     | _        |
| -            |               | +  | +  | <u>                                     </u> |                   | -  | +                  | Radium 226, Dissolved Radium 228, Dissolved                                       |                | Pc/L                                  | +-         | 1             | ┿             | +             | 6             | ╌        | +        | +         | ╁             | +          | $\vdash$                                     |          |
| -            | +             |  |  | -  | -                 | $\vdash$                                     | +                  | Selenium, Dissolved   |                | UG/L                                  | +-         | 1             | +             | +             | +             | ┰        | +        | +         | +             | +-         | H  | _        |
| -            | +             |  | -  | <u> </u>                                     | _                 | +  | ╬                  | Silver, Dissolved   |                | UG/L                                  | 6          | +-            | +-            | +-            | ┿             | +-       | $^{+}$   | 十         | 十             | T          |  | _        |
| $\dashv$     | $\frac{1}{1}$ | -  | +  | +  | -                 | !  | +                  |   |                | MG/L                                  | ╁          | 0             | +-            | +             | +-            | +-       | +-       | +         | 十             | +          | $\vdash$                                     | _        |
| _            |               | 1  |  | +  | H                 | $\forall$                                    | +                  | Sodium, Dissolved   |                | MG/L                                  | +-         | +             | 9             | +-            | +-            | ┿        | 1        | +         | 十             | $\dagger$  | $\forall$                                    | _        |
| _            |               | <del>\</del> _                               | X  | +  | !<br>1            | ₩  | +                  | Sulfate, Dissolved (as SO <sub>4</sub> )  |                | PPM                                   | 7          | <del></del> - | <del></del>   | <del>-</del>  | ÷             | +        | 6        | 13        | $\frac{1}{1}$ | +          | $\vdash$                                     | Г        |
|              | <u> </u>      | 4  | - 1  | -  | <u>!</u>          | !X   | +                  | Total Dissolved Solids (TDS)  |                | PPM                                   |            | -             |               | 8             | <del>-</del>  | ÷        | 7        | 7         | +             | +          | $\vdash$                                     | H        |
|              | $\vdash$      | +-   | <u>                                     </u>     | +  | -                 | <u>                                     </u> | +                  | Total Organic Carbon (TOC)  |                | UG/L                                  | _          | _             | _             | 5             | _             | _        | +        | +         | ╁             | ╁          | $\vdash$                                     | -        |
|              | -             | +  | +  | +-   | <u> </u>          | 1  | +                  | Total Organic Halogen (TOX)   |                | UG/L                                  | -          | -             | <del>-</del>  | 0             | <del></del>   |          | ÷        | 十         | +             | +          | $\vdash$                                     | H        |
|              |               | +  | -  | +  | $\vdash$          | 1 1  | +                  | Toxaphene   |                | NTU                                   |            | -             |               | ) 7           | _             |          | Ť        | +         | +             | +          | 뉘  | H        |
|              | -             | 1  |  | -  | +                 | +-1  | $\dashv$           | Turbidity Zine Disselved  |                | UG/L                                  | +          | 1 1           | -+-           |               | +-            | -+-      | +        | +         | 十             | +          | H  | $\vdash$ |
| _            | -             | ╀  | 1-1  | +  | ╁                 | ╂┤   | +                  | Zinc, Dissolved   |                | UG/L                                  | -          | +-            | <del></del>   | 3 7           | <del></del> - | -        | +        | +         | +             | +          | $\vdash$                                     | H        |
|              | -             | +  | +  | +  | ╀                 | +  | +                  | 2, 4-D, Total<br>2, 4, 5-TP, Total  |                | UG/L                                  | _          | _             |               | ) 4           | _             |          | +        | +         | +             | ╁          | 一  | H        |
|              |               | +  | +  | +  | ╀                 | Ы  | $\dashv$           |   | <del></del>    |                                       | Ŧ          |               | +             | +             | +             |          | 2        | , 4       | +             | +          | $\vdash$                                     | H        |
| _            | +K            | $\frac{1}{\lambda}$                          | <del>                                     </del> | +  | +                 | $\Rightarrow$                                | -                  | Oil and Grease  | <del></del>    | MG/2                                  | +          | +             | +             | +             | +             |          |          | • 4       |               | +          | +  | H        |
| _            |               | <del>\</del>                                 | ++   | 4  | <u> </u>          | $\mathcal{A}$                                | $\dashv$           | Petroleum Hydrocarbons  |                | MG/L                                  | +          | +             | +             | +             | $^{+}$        | ┰        |          | 7         | +             | +          | +  | H        |
|              | + +           | +  | -  | <u> </u>                                     | $\frac{\perp}{1}$ | 1.   | +                  |   |                | <del> </del>                          | +          | +             | +             | +             | +             | +        | +        | $\dot{+}$ | +             | +          | +  | +        |
| _            |               | +  | 1 <u>1</u><br>1 i                                | <u> </u>                                     | 1                 | -   -  | +                  |   |                | · · · · · · · · · · · · · · · · · · · | +          | +             | +             | $\frac{1}{1}$ | +             | +        | +        | 十         | +             | +          | +  | t        |
| _            | 1 1           | <u> </u>                                     | <del>                                     </del> | 1  | 1                 | 1  | +                  | <del>                                     </del>                                  |                | <u> </u>                              | +          | $\frac{1}{1}$ | +             | $\dashv$      | +             | $\dashv$ | +        | +         | +             | :          | ÷  | +        |
| _            | $\frac{1}{1}$ | !  | 1 1  | <u> </u>                                     | :                 | 1  |                    | ·   |                | <del></del>                           | +          | +             | 1             | <u> </u>      | +             | +        | <u> </u> | +         | <u> </u>      | ·<br>      | <u>;</u>                                     | i        |
| ł            | 1 1           | - 1  | 1  | 1  | •                 | 1  |                    | ł –   | 1              |                                       | - 1        | - 1           | 1             | •             | - 1           | ١.       | 34       |           | 1_            | 1          | <u>.                                    </u> |          |

# NEW JE Y DEPARTMENT OF ENVIRONMENTAL PROTF TION DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

|  |  |   | RINT          | WIT  | TH BA         | AL.          | LPC          | OINT PEN   | isw                         | 710    | N              | ٥.            |              | -        |             |             |              |           |              |            |           | $\neg$               |   |
|--|--|---|---------------|--|---------------|--------------|--------------|--|-----------------------------|--------|----------------|---------------|--------------|----------|-------------|-------------|--------------|-----------|--------------|------------|-----------|----------------------|---|
| CILIT  | SWID NO.  SWID NO.  SWID NO.  SWID NO.  SWID NO.  SWID NO.  SAMPLE DATE  NJO D D 4 6 6 9 31-262023 880425 17 22 23 27  Monitoring Well No. MW-H  THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR.  SURMIT WITH SIGNED TAYWA-014 |   |               |  |               |              |              |  |                             |        |                |               |              |          |             |             |              |           |              |            |           |                      |   |
| AB NA  | ME   |   | F             | 11   | مرو           | 4            | 0/           | · Testina Labs   | ·                           |        |                | _             | _            |          |             |             |              |           |              |            | _         | ٺ                    |   |
| ב  |  | 7<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10 | 0 0           | o<br>o                                       | <b>ES 1</b>   | ¥0.          | 5 9          | WELL PERMIT NO. SAMPLE YR. MG  31-26202-3 SSO  Monitoring Well No. MW-4  MONITORING WELL PERMIT NO. NW-4 |                             | / <br> | /<br>/         | CE            | RT           | 17       | NO.         |             |              | V         | va.v<br>[    | US         | Ε         |                      | • |
|  |  |   |               |  |               |              |              | SUBMIT WITH SIGNED T-VWX-  | 014                         |        |                |               |              |          |             |             |              |           |              |            |           | S<br>S               |   |
|  | SAMPI  |   |               |  | s<br>Oct.     | Nov.         | Dec.         | ANALYSIS   | UNITS                       | PA     | R/             | AM            | ET           | Ef       | 3           |             | <del></del>  | VAI       | LUE          |            | _         | NEMARKS              | 1 |
| VII  | M  |   | M             | Ī  | M             |              |              | Elevation of top of well casing with cap off (as specified in well completion report)                    | feet MSL:<br>to nearest .01 |        |                |               |              |          |             | <u>/</u>    | l            | ,         | 3 1          | 1          |           |                      |   |
| M  | M  | 1   |               | 1  | M             |              |              | Elevation of original ground level (as specified in well completion report)                              | feet MSL:<br>to nearest .01 |        |                |               |              |          |             | 8           | 0            | 7         | r            |            | Γ         |                      |   |
| $\frac{1}{\sqrt{1}}$                             | M  | +   | M             | <del></del>                                  | M             | _            |              | Depth to water table from top of casing prior to   | feet: to<br>nearest .01     | 8      | 2              | 5             | 1            | •        | 6           | 7           | 7            | · k       | 18           | 1          | Ī         | T                    | 1 |
| $\mathbb{H}$                                     | $\overline{M}$   | -   | $\bigvee$     | 1  | M             |              |              | sampling with cap off Depth to water table from original ground level                                    | feet: to                    | 7      | 2              | 0             | <del>,</del> | 1        | 9           | 9           |              | 0         | 8            | Ť          | T         | T                    |   |
| $\Delta \Box$                                    | - 4  |   | $\square$     | +  | $\Box$        |              | H            | prior to sampling  | UG/L as As                  | 0      | 1              | 10            | †            |          | 7           | H           | H            |           | $\dagger$    | +          | 十         | 十                    | - |
| <del>                                     </del> |  | +   | 1 1           | +  | +-            | _            |              | Arsenic, Dissolved  Barium, Dissolved  | UG/L as Ba                  | 0      | ⊢              | <del>-</del>  | <u> </u>     |          |             | Ī           | T            | ij        | 1            | Ť          | $\dagger$ | †                    | ٠ |
| <u> </u>   | i 1  |   | ! i           |  | <u> </u>      | _            | -            | Biochemical Oxygen Demand - 5 Day  | MG/L                        | ╅—     | _              |               | 3 1          | ٠        | _           |             |              | 1         | i            | i          | Ť         | 十                    |   |
| <u> </u>   | 1. 1   | 1   | $\frac{1}{1}$ |  | 1             | $\vdash$     | -            | Cadmium, Dissolved   | UG/L as Cd                  | 0      |                | +             | -+           |          | _           |             |              | Π         |              | Ť          | Ť         | 十                    |   |
|  |  | +   | 닒             | +  | $\forall$     | -            | ┼╴           | Chloride, Dissolved  | UG/L as CI                  | 8      | -              | ÷             | ÷            | _        |             | 1           | 7            | C         | ola          | d.         | T         | T                    |   |
| $\mathcal{X}$                                    | - 13   | +   | $\Theta$      | +  | $\Rightarrow$ | 1            | $\vdash$     | Chromium, Dissolved  | UG/L as Cr                  | +-     | ÷              | +             | ٦            |          |             | Z           | 2            | 0         | ,            | 1          | T         | T                    |   |
| χ <u>ι</u>                                       |  | +   | H             | -  | +             | $\vdash$     | ╁            | Chromium, Dissolved, Hexavalent  | UG/L as Cr                  | 0      | 1              | 1:            | 2            | 2        | 0           | く           | 2            | C         | ,            | T          | 1         | T                    |   |
|  | 1 1 1  | 1   | + -           |  | +             | <u> </u><br> | ┼.           | Chemical Oxygen Demand (COD), Dissolved  | MG/L                        | 0      | lo             | +             | 3            |          | 1           |             | Ī            | Ĭ         | Ť            | Ť          | Ť         | T                    | • |
| 1  | 1 1 1  |   | 1 1           | $\dashv$                                     |               | ╁            | +            | Coliform Group   | N/100 ML                    | +      | <del>-</del> - | <del></del> - | 0            |          | 6           | T           | Ħ            |           | Ť            | Ť          | Ť         | T                    |   |
| -  | 1   1  | +   | +-            |  | +             | ╁            | +-           | Color  | Pt - Co                     | +-     | ÷              | <del>-</del>  | ÷            |          | 0           | T           | T            |           | İ            | 十          | Ť         | T                    |   |
|  |  | <del>-                                    </del>                                | ╫             | 1  | +-            | +            | ╁            | Copper, Dissolved  | UG/L as Cu                  | 0      | 1              | Ì             | 0            | 4        | 0           | Τ           | T            |           |              | T          | T         | 1                    |   |
|  |  |   | +-            |  | +             | +            | ╁            | Cyanide, Total   | MG/L as CN                  |        | +              | -             | -            | _        | 0           | T           | T            |           |              | Ť          | $\top$    | 十                    |   |
| $\vdash$   |  | +   | +             | +  | +             | +            | 十            | Endrin, Total  | UG/L                        | 3      | +              | -+            | •            | _        | 0           | +-          | Ť            | $\top$    |              |            | Ī         | 7                    | • |
|  | 1 1  | +   | +-            | H  | $\dashv$      | +            | +            | Fluoride, Dissolved  | MG/L as F                   |        | <del>-</del>   | -             | _            | _        | 0           | +           | $\top$       | T         |              | T          | ন         | T                    | • |
| -  | 1 1  | 1   | +-            |  |               | +            | +            |  | Pc/L                        | 10     | Т              | $\neg \tau$   |              |          | 3           |             |              | Ť         |              | $\top$     | 十         | †                    | • |
|  |  |   | +             | $\vdash$                                     |               | +            | +            | Gross Alpha, Dissolved Gross Beta, Dissolved   | Pc/L                        | 10     | +              | _             |              | _        | 3           | _           | $\dagger$    | Ť         | $\dot{\Box}$ | 十          | 十         | 7                    | • |
| -  | ++-  | $\vdash$  | +-            |  | +             | +            | +            | Hardness, Total as CaCO <sub>3</sub>   | MG/L                        |        | -              | -             | _            | -        | 0           | +           | $^{\dagger}$ | $\dagger$ |              | $\top$     | 十         | 7                    | • |
| $\vdash$   | ++-  |   | +-            | 1  | -             | +            | +            | Iron, Dissolved  | UG/L as Fe                  |        |                |               | _            |          | 6           | -           | Ť            | Ť         |              | 十          | $\dagger$ | 7                    | • |
| <del>   </del>                                   | 1 /  | 1 1   | X             | +-{  | +             | +            | +            | Lead, Dissolved  | UG/L as Pb                  | -      | -              | -             | _            | ÷        | 9           | _           | is.          | 20        | 7.           | $\top$     | Ť         | 7                    | • |
| ^-   | <del>   </del>   | 1 1   | -∤^           | <del>-  </del>                               | -Y            | +            | 十            | Lindane, Total   | UG/L                        | →      | ÷              |               |              | <u> </u> | 12          | _           | Ť            | Ť         | 1            | Ť          | 十         | 7                    | • |
| +  | 1 1  | -   | -             | +-   | +             | +            | +            | Manganese, Dissolved   | UG/L                        | _      | <u> </u>       | <u> </u>      |              | -        | 6           | -           | Ť            | +         | <u> </u>     | 1          | 十         | 7                    |   |
| <del>                                     </del> | 1 1  | <u>: 1</u>  | <u> </u>      | <u>                                     </u> |               | +            | <del> </del> |  | UG/L                        |        |                | _             |              | _        | 10          |             | Ť            | Ť         |              | $\dashv$   | Ť         | $\dashv$             |   |
|  | ALUE   |   |               |  |               |              |              |  | 1 Odit                      | 29     | 9              |               |              |          | 3<br>4<br>5 | 3 3 6 4 9 6 | 7            | ۷T        | $\tau$       | <u>-</u> - |           | 40<br>53<br>66<br>79 | 5 |
| 1  | ٠.   |   |               |  |               |              |              | 1  |                             |        | F              | ١T            | T            | A(       | CH          | IM          | Er           | 11        | =            |            |           |                      |   |

# NEW JE Y DEPARTMENT OF ENVIRONMENTAL PROTF TION DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

| EASE TYPE OR PRI | Georgia-Paci                                      |   | . Sw                        | ID NO.                                       |          |                              |
|------------------|---|---|-----------------------------|--|----------|------------------------------|
| AB NAME          | Princeton   |   |                             |  |          |                              |
| R NJO            | NUPDES NO. 0 0 4 6 6 9                            | WELL PERMIT NO. YR. MO  |                             | LAB CERT. NO.                                | WOM USE  |                              |
| THE SCHEDULE II  | NDICATED BELOV                                    | Monitoring Well No. MW-5 TO L   | MO. YR.                     |  |          | ¥                            |
|                  |   | SUBMIT WITH SIGNED T-VWX-0  | 14_                         | ·  |          | 1KS                          |
| SAMPLING !       |   |   |                             | PARAMETER                                    | VALUE    | REMARKS                      |
| Mar. Mar. June   | July<br>Aug.<br>Sept.<br>Oct.<br>Nov.             | ANALYSIS  | UNITS                       | PARAMETER                                    | TALUE .  | =                            |
| XIIXII           | MIMI  | Elevation of top of well casing with cap off (as specified in well completion report) | feet MSL:<br>to nearest .01 | 111  | 004      | $\coprod$                    |
| X I X I I        | XIXI  | Elevation of original ground level (as specified in well completion report)           | feet MSL:<br>to nearest .01 |  | , 3(     | $\coprod$                    |
| XIXI             | $X \cup X \cup X$                                 | Depth to water table from top of casing prior to<br>sampling with cap off             | feet: to<br>nearest .01     | 8 2 5 4 6 9                                  | 1/12     | $\sqcup$                     |
| XIIXII           | $X \mid X \mid X$                                 | Depth to water table from original ground level prior to sampling                     | feet: to<br>nearest .01     | 7 2 0 1 9 6                                  | 39       | Ш                            |
|                  |   | Arsenic, Dissolved  | UG/L as As                  | 0 1 0 0 0                                    |          | $\perp$                      |
|                  |   | Barium, Dissolved   | UG/L as Ba                  | 0 1 0 0 5                                    | 1111     |                              |
|                  |   | Biochemical Oxygen Demand - 5 Day   | MG/L                        | 0 0 3 1 10 1                                 | 1111     |                              |
| <del></del>      | <del>-                                     </del> | Cadmium, Dissolved  | UG/L as Cd                  | 0 1 0 2 5                                    | <u> </u> |                              |
| <del>divii</del> | <del>d i d i</del>                                | Chloride, Dissolved   | UG/L as CI                  | 8 2 2 9 5 2                                  | 6000.    |                              |
|                  | <del>Q i Q i</del>                                | Chromium, Dissolved   | UG/L as Cr                  | 0 1 0 3 0 <                                  | 20.111   | $oldsymbol{\perp}$           |
|                  | A i Ki  | Chromium, Dissolved, Hexavalent   | UG/L as Cr                  | 0 1 2 2 0                                    |          | $\perp$                      |
|                  |   | Chemical Oxygen Demand (COD), Dissolved   | MG/L                        | 0 0 3 4 1                                    |          |                              |
|                  |   | Coliform Group  | N/100 ML                    | 7 4 0 5 6                                    |          | 丄                            |
|                  |   | Color   | Pt - Co                     | 0 0 0 8 0                                    |          |                              |
|                  |   | Copper, Dissolved   | UG/L as Cu                  | 0 1 0 4 0                                    |          |                              |
|                  |   | Cyanide, Total  | MG/L as CN                  | 0 0 7 2 0                                    |          |                              |
|                  |   | Endrin, Total   | UG/L                        | 3 9 3 9 0                                    |          |                              |
|                  |   | Fluoride, Dissolved   | MG/L as F                   | 00950  |          |                              |
|                  |   | Gross Alpha, Dissolved  | Pc/L                        | 0 1 5 0 3                                    |          | $\perp$                      |
|                  |   | Gross Beta, Dissolved   | Pc/L                        | 0 3 5 0 3                                    |          |                              |
|                  | <del>                                     </del>  | Hardness, Total as CaCO <sub>3</sub>  | MG/L                        | 0 0 9 0 0                                    |          |                              |
| <del></del>      |   | Iron, Dissolved   | UG/L as Fe                  | 0 1 0 4 6                                    |          |                              |
| XIIXI            |   | Lead, Dissolved   | UG/L as Pb                  | 0 1 0 4 9 <                                  | 20.      | $\int$                       |
|                  | <del>                                     </del>  | Lindane, Total  | UG/L                        | 3 9 7 8 2                                    |          |                              |
|                  | +++++   | Manganese, Dissolved  | UG/L                        | 0 1 0 5 6                                    |          |                              |
|                  |   | Mercury, Dissolved  | UG/L                        | 7 1 8 9 0                                    |          |                              |
|                  | ING RULES AND                                     |   |                             | 29 33 34<br>42 46 47<br>55 59 60<br>68 72 73 | •        | 40 4<br>53 5<br>66 6<br>79 8 |
| HEMARK CO        | DES ON REVER                                      |   |                             | ATTACHME                                     | NT I-15  | l                            |

VALUE CODING RULES AND REMARK CODES ON REVERSE

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ATTACHMENT I-18

#### **GROUND WATER ANALYSIS - MONITORING WELL REPORT**

| EASE TYPE | OR PRINT WITH BALLPOINT         | PEN  |                                 | •                |         |
|-----------|---------------------------------|--|---------------------------------|------------------|---------|
| ACILITY N | AME<br>Georgia-Pacif            | ic Corp.   | •                               | SW ID NO.        |         |
| AB NAME   | Princeton -                     | Testina Labs                                     | •                               |                  |         |
| s         | NJPDES NO.                      | WELL PERMIT NO.  31-26202-3 16                   | SAMPLE DATE YR. MO. DAY SCO 425 | NJ LAB CERT. NO. | WQM USE |
| THE SCHE  | Mo<br>DULE INDICATED BELOW IS T | nitoring Well No. MW-<br>TO BE OBSERVED FROM MO. | .Н<br>YR. то <u>мо. у</u> R.    |                  |         |

#### SUBMIT WITH SIGNED T-VWX-014 SAMPLING MONTHS ANALYSIS UNITS **PARAMETER** VALUE UG/L Methoxychlor, Total 3 9 4 8 0 3 8 2 6 0 Methylene Blue Active Substances MG/L Nitrogen, Ammonia, Dissolved NH<sub>3</sub> + NH<sub>4</sub> as N MG/L as N 00608.13 0 0 6 1 8 Nitrogen, Nitrate Dissolved MG/L as N 0 0 0 8 5 Odor T.O.N. 004006. рΗ Standard Units 65 3 2 7 3 0 Phenois, Total Recoverable UG/L Radium 226, Dissolved Pc/L 0 9 5 0 3 Radium 228, Dissolved Pc/L · 8 1 3 6 6 Selenium, Dissolved 0 1 1 4 5 UG/L Silver, Dissolved UG/L 0 1 0 7 5 Sodium, Dissolved MG/L 0 0 9 3 0 Sulfate, Dissolved (as SO<sub>4</sub>) MG/L 0 0 9 4 6 4 2 Total Dissolved Solids (TDS) PPM 0 3 0 0 Total Organic Carbon (TOC) PPM 0 0 6 8 0 Total Organic Halogen (TOX) UG/L 0 3 5 3 Toxaphene UG/L 3 9 4 0 0 Turbidity NTU 0 0 0 7 6 Zinc, Dissolved UG/L 0 1 0 9 0 2, 4-D, Total UG/L 3 9 3 7 0 UG/L 2, 4, 5-TP, Total 3 9 0 4 5 Me/L Oil and Grease Petroleum Hydrocarbons

the contract of the contract of the second of the second of the second

#### Page 2

| •         |       |  |                   |    |                |               |               |                        |           |           | WATER QUALITY MANAGEMENT ELE  | MENT           |      |      |    |     |    |           |          |     |         |         |              |         |
|-----------|-------|--|-------------------|----|----------------|---------------|---------------|------------------------|-----------|-----------|---|----------------|------|------|----|-----|----|-----------|----------|-----|---------|---------|--------------|---------|
| 1         |       |  |                   |    |                |               |               |                        |           | GR        | OUND WATER ANALYSIS - MONITORII                                     | NG WELL RE     | POI  | RT   |    |     |    |           |          |     |         |         |              |         |
| )<br>P: E | 4 S F | : T  | YPF               | OF | R PRI          | N.            | T WIT         | TH B                   | A         | LLP       | OINT PEN  |                |      |      |    |     |    |           |          |     |         |         |              |         |
|           |       |  | NA                |    |                | _             |               |                        |           |           | ecific Corp.  |                | W II | NC   | 0. |     |    |           |          |     |         |         |              | }       |
| LA        | B N   | ΑM   | Ε                 |    |                | $\frac{1}{4}$ | $\overline{}$ | ,                      |           | $\neg$    |   |                |      |      |    |     |    |           |          |     |         |         |              | ٦       |
|           |       |  |                   | _  |                | _             | 1             | ۸.                     | L£        | 3 7/      | SAMPLE SAMPLE   | DATE           | -    |      |    |     |    |           |          | T   |         | ===     | _            |         |
| 1         |       |  |                   |    |                | ŧ             | MJPD          | ES                     | NC        | ),        | WELL PERMIT NO. YR. MO  | DAY N          | N L  | AB ( | EF | ₹Т. | NO | •         |          |     | war     | N US    | SE           |         |
|           |       | ş  |                   | ٧  | 170            |               | 0 0           | 4                      | 6         | 6         | 9 \$11-26202-\$ 8804  | 125            | 23   | 21   | /  |     |    | ,         |          |     | l       | 28      | _]           |         |
| :<br>!    | •     | •  |                   |    | •              |               |               |                        |           |           | Monitoring Well No. MW-5  |                |      |      |    |     |    |           |          |     |         |         |              |         |
| :<br>. •  | гне   | : 50   | HEC               | วน | LE IN          | 40            | ICAT          | reb                    | 81        | ELO       | W IS TO BE OBSERVED FROM MO. YR.                                    | ليليا          |      |      |    |     |    |           |          |     |         |         |              |         |
| '         |       |  |                   |    |                | -             |               |                        |           |           | MO. TR.   | MU. IR.        |      |      |    |     |    |           |          |     |         |         |              |         |
| }         |       |  |                   |    |                |               |               |                        |           |           | SUBMIT WITH SIGNED T-VWX-0  | 014            |      |      |    |     |    |           |          |     |         |         |              |         |
|           |       |  |                   |    |                |               |               |                        |           | •         |   |                |      |      |    |     |    |           |          |     |         |         |              | RKS     |
|           |       | _  |                   |    |                |               | NTH:          |                        |           |           |   |                |      |      |    |     |    |           |          |     |         |         |              | REMARKS |
| Jan       | Feb.  | Mar.   | Apr.              | χş | Sun.           | •             | Aug.<br>Sept. | Oct.                   | Nov       | D<br>D    | ANALYSIS  | UNITS          | PA   | \RA  | ME | ETE | R  |           |          | VA  | LUI     | E       |              | #       |
| <u> </u>  |       | _  | $\dot{\sqcap}$    | 7  | T              | T             | $\top$        |                        | Γ         | Τ         | Methoxychlor, Total   | UG/L           | 3    | 9    | 4  | 8   | 0  |           |          | _   | _       |         | $\perp$      | Ц       |
| 上         |       |  |                   | 7  | $\neg$         | †             |               |                        |           | T         | Methylene Blue Active Substances                                    | MG/L           | _    | 8    |    |     |    | Ш         |          |     | $\bot$  | $\perp$ | $oxed{oxed}$ |         |
|           |       |  | X                 |    |                | 1             | $\top$        | V                      | T         | T         | Nitrogen, Ammonia, Dissolved NH <sub>3</sub> + NH <sub>4</sub> as N | MG/L as N      | 0    | 0    | 6  | 0   | 8  | 0         | 6        |     | $\perp$ | $\perp$ | <u> </u>     |         |
| Μ         |       |  |                   |    | <del>-  </del> | 7             |               | $\vdash$               | 1         |           | Nitrogen, Nitrate, Dissolved  | MG/L as N      | 0    | 0    | 6  | 1   | 8  | $\square$ | Ш        |     | $\bot$  | $\perp$ | $\downarrow$ |         |
| -         |       | _  | $\Box$            |    |                | Ť             | 1             |                        | Γ         | T         | Odor  | T.O.N.         | 0    | 0    | 0  | 8   | 5  |           | $\sqcup$ |     | Ц,      | $\perp$ |              |         |
| Ż         | ╁     | ┢  | M                 |    |                | ते            | _             | X                      | 1         | T         | pH  | Standard Units | 0    | 0    | 4  | 0   | 0  | 6         |          | 3   | 5       | $\perp$ |              |         |
| ۲         |       |  | 1                 |    | 1              | 7             |               | ۲                      | 1         | $\top$    | Phenois, Total Recoverable  | UG/L           | 3    | 2    | 7  | 3   | 0  |           |          |     | $\perp$ |         |              | L       |
|           | †     |  | T                 |    | $\Box$         | Ť             | $\top$        | T                      | T         | 1         | Radium 226, Dissolved   | Pc/L           | 0    | 9    | 5  | 0   | 3  |           |          | Ш   |         | $\perp$ |              |         |
| $\vdash$  | H     | $\vdash$   |                   | _  | $\vdash$       | Ť             |               | $\dagger$              | T         | 1         | Radium 228, Dissolved   | Pc/L           | 8    | 1    | 3  | 6   | 6  |           |          | Ш   |         |         | L            |         |
| 十         | ╁     | $\vdash$   | ti                |    |                | 7             |               | T                      | T         | T         | Selenium, Dissolved   | UG/L           | 0    | 1    | 1  | 4   | 5  |           |          |     |         |         |              | L       |
| 十         | +     | _  | +                 |    |                | i             |               | $\dagger$              | T         | †         | Silver, Dissolved   | UG/L           | 0    | 1    | 0  | 7   | 5  |           |          |     |         |         |              |         |
| .  -      | ╁╌    | $\vdash$   | $\dagger \dagger$ |    |                | +             | $\vdash$      | T                      | T         | $\dagger$ | Sodium, Dissolved   | MG/L           | 0    | 0    | 9  | 3   | 0  |           |          |     |         |         |              |         |
| >         | +-    | 1  | X                 |    | 1              | 7             | $\vdash$      | X                      | $\dagger$ | $\dagger$ | Sulfate, Dissolved (as SO <sub>4</sub> )                            | MG/L           | 0    | 0    | 9  | 4   | 6  | 2         | 3        | ا ۾ |         |         |              |         |
| ľK        | ╁     | <del> </del>                                     | X                 | _  | 1              | K             | i             | $\overset{()}{\nabla}$ | *         | +         | Total Dissolved Solids (TDS)  | PPM.           | 7    | 0    | 3  | 0   | 0  | 2         | 2        | 2   | •       |         |              |         |
| ľ         | +     | <del>                                     </del> | <u> </u>          | 1  | H              | اد            | $\vdash$      | Ť                      | +         | Ť         | Total Organic Carbon (TOC)  | PPM            | 0    | 0    | 6  | 8   | 0  | Γ         | Ī        |     | Π       |         |              |         |
| 1         | +     | ╁  | +                 |    | ++             | -             | $\vdash$      | ╁                      | +         | +         | Total Organic Halogen (TOX)   | UG/L           | 7    | 0    | 3  | 5   | 3  | T         | Γ        | П   | П       |         |              |         |
| +         | ╁     | ╁  | +-                |    |                | -             |               | ╁                      | $\dagger$ | +         | Toyanhene   | UG/L           | 3    | 9    | 4  | 0   | 0  | T         | Γ        |     | П       | $\top$  | Τ            | T       |

0 0 0 7 6 NTU **Turbidity** 0 1 0 9 0 UG/L Zinc, Dissolved 3 9 3 7 0 UG/L 2, 4-D, Total 3 9 0 4 5 UG/L 2, 4, 5-TP, Total . 5 Oil and Grease Petroleum Hydrocarbons

VALUE CODING RULES AND REMARK CODES ON REVERSE

33 34 46 47 59 60 72 73 29 42 55 68

DIVISION OF WATER RESOURCES THE SCHOOL

| GUALIT MANAGEMENT B   | LEMEN.                      |                 |            |
|---|-----------------------------|-----------------|------------|
| GROUND WATER ANALYSIS - MONITO  | RING WELL RI                | EPORT           |            |
| PLEASE TYPE OR PRINT WITH BALLPOINT PEN   |                             |                 |            |
| FACILITY NAME Georgia-Pacific Corp.   |                             | SW ID NO.       |            |
| Princeton Testina   |                             |                 |            |
| SAMP  |                             | NI LAS CERT. NI | O. WOM USE |
| iditilities Analyses  | , UNITS                     | PARAMETER       | VALUE      |
| Elevation of top of well casing with cas off (as specified in well completion report) | feet MSL:<br>to nearest .01 | T               | 12.30      |
| Elevation of original ground level (as specified in well completion report)           | feet MSL:<br>to regreet .01 |                 | 9.43       |
| Depth to water table from top of casing prior to sampling with cap off                | feet: to<br>negree, 01      | 8 2 5 4 6       | 10.65      |
| M   M   Depth to water table from original ground level                               | fact: to                    |                 |            |

| 4 2     | 1 1 1   | 11.      | 118                  | 1 2       | ANALYSIS  | , UNITS                     | PARAMETER   | VALUE   |
|---------|---------|----------|----------------------|-----------|---|-----------------------------|-------------|---|
| X       | IX      | LM       | $\bot$ X             | $\coprod$ | Elevation of top of well casing with cap off (as specified in well completion report) | feet MSL:<br>to nearest .01 |             | 12.30   |
|         | LX      | LM       |                      | $\coprod$ | Elevation of original ground level (as specified in well completion report)           | feet MSL:<br>to regrest .01 |             | 9.43  |
| $M_{-}$ | LX.     | M        | $\perp \mid \rangle$ | $\coprod$ | Depth to water table from top of casing prior to sampling with cap off                | feet: te<br>negreet .01     | 8 2 5 4 6   | 10.65   |
|         | X       | X        | $\perp \mid X$       | $\coprod$ | Depth to water table from original ground level prior to sampling                     | feet: te<br>nearest .01     | 7 2 0 1 9   | 7.78  |
|         | 1 1     |          | $\bot \bot$          | $\Box$    | Arsenic, Dissolved  | UG/L as As                  | 01000       |   |
|         |         | !!!      |                      | !         | Barium, Dissolved   | UG/L m Ba                   | 0 1 0 0 5   |   |
|         |         |          |                      |           | Biochemical Oxygen Demand - 5 Day   | MG/L                        | 0 0 3 11 10 | 11111   |
|         |         |          | $\bot \bot$          |           | Cadmium, Dissolved  | UG/L as Cd                  | 0 1 0 2 5   |   |
| A       | X       | $\bot M$ | <u> </u>             |           | Chloride, Dissolved   | UG/L = Q                    | 8 2 2 9 5   | 12000   |
| M       | LX.     | M        | IX                   |           | Chromium, Dissolved   | UG/L a Cr                   | 01030       |   |
|         |         |          | IX                   |           | Chromium, Dissolved, Hexavelent   |                             | 0 1 2 2 0   |   |
| 1       |         |          |                      | •         | Chemical Oxygen Demand (COD), Dissolved   | MG/L                        | 00341       |   |
|         |         |          |                      |           | Caliform Group  | N/100 ML                    | 74056       |   |
|         | $\perp$ |          |                      |           | Color   | Pt - Co                     | 00080       |   |
|         |         |          |                      |           | Copper, Dissolved   | UG/L as Qu                  | 01040       |   |
|         |         | 41       |                      |           | Cyanide, Total  | MG/L at CN                  | 00720       |   |
|         |         |          |                      |           | Endrin, Tatal   | UG/L                        | 39390       |   |
|         |         |          |                      |           | Fluoride, Dissolved   | MG/L # F                    | 00850       |   |
|         |         |          |                      |           | Gross Alpha, Dissolved  | Pe/L                        | 0 1 5 0 3   |   |
| H       | 444     |          |                      |           | Gross Betz, Dissolved   | Pe/L                        | 03503       | <del>                                      </del> |
|         | 11      |          |                      |           | Hardness, Total as CaCO <sub>3</sub>  |                             | 00900       | <del>                                      </del> |
|         |         |          |                      |           | Iron, Dissolved   |                             | 01046       |   |
| XL      | M       | X        | $\perp X$            |           | Lead, Dissolved   |                             | 0 1 0 4 9   | 2/2/0   |
|         | 111     |          |                      |           | Lindane, Total  | UG/L                        | 3 9 7 8 2   |   |
|         | 111     |          |                      |           | Manganese, Dissolved  | UG/L                        | 0 1 0 5 6   |   |
| $\cdot$ |         |          |                      |           | Mercury, Dissolved  | UG/L                        | 7 1 8 9 0   |   |

VALUE CODING RULES AND REMARK CODES ON REVERSE 23 42 55 66 ATTACHMENT T-AT QUALITY MANAGEMENT ELEMENT

## GROUND WATER ANALYSIS - MONITORING WELL REPORT

|          |   |                        |              |              |              |              |           |          |            |   |                | SW             | 10  | NO       |     |          |                |    |   |          |              |   |                |
|----------|---|------------------------|--------------|--------------|--------------|--------------|-----------|----------|------------|---|----------------|----------------|-----|----------|-----|----------|----------------|----|---|----------|--------------|---|----------------|
|          |   |                        |              |              |              | Ged          |           | _        |            |   |                |                |     |          |     |          |                |    |   |          |              |   |                |
|          |   |                        |              |              |              |              | <u>+</u>  | <u> </u> | <u>کن</u>  | ceton lesting   |                |                |     |          |     |          |                |    |   |          |              |   |                |
|          |   | , •                    |              |              | 1            | N.F          | OE        | E N      | <b>O</b> , |   |                | NLI L          | 48  | CI       | 87  | . AM     | <b>a</b> .     |    |   |          | ***          |   |                |
|          | S   | ]                      | ۸            | 14           | 1            |              | 14        | T        | 6          |   | 6/13           | 7              | 7   | 17       | 7   | R        | 1              |    |   |          |              | , <b>3</b> =  | <b>,</b>       |
|          | 7   | J                      |              | 3            | -            | <u> </u>     | 41.3      |          | <u> </u>   | A SIN GIGHTON TO THE POST   | 22             | 33             |     |          | 1.  | 37       | ,              |    | , |          | 7            | <u> </u>  |                |
|          |   |                        |              |              |              |              |           |          |            | Monitoring Well No. MW-/  |                | ••             |     |          |     |          |                |    |   |          |              | -   |                |
| TH       | E S   | CHI                    | EDU          | LE           | ND           | ICA          | TEI       | 0 8      | ELO        | WIS TO BE OSSERVED FROM HO. YE. TO                                  | HO. YE.        |                |     |          |     |          |                |    |   |          |              |   |                |
|          |   |                        |              |              |              |              |           |          |            | •   |                |                |     |          |     |          |                |    |   |          |              |   |                |
|          | N=POES NO.   WELL PERMIT NO.   TR.   MO.   DAY   NJ LAB CERT. NO.   WOM USE |                        |              |              |              |              |           |          |            |   |                |                |     |          |     |          |                |    |   |          |              |   |                |
|          |   |                        |              |              |              |              |           |          |            | •   |                |                |     |          |     |          |                |    |   | ,        |              |   |                |
| 1 2      | į   | į                      | Ì.           | ]            |              | 1 ]          | ğ         | 1        | 1          | ANALYSIS  | UNITS          | ₽.             | AR. | AM       | ETI | LR       |                |    | v | ALL      | JE           |   |                |
| T        | Τ   |                        | П            | T            | T            | T            | T         | Τ        | Π          | Methoxychlor, Total   | UG/L           | 3              | 9   | 4        | 8   | 0        | Τ              | Т  | Т | Π        | T            | Ť   | -              |
| T        |   |                        |              | T            | T            | T            | T         | T        |            | Methylene Blue Active Substances                                    | MG/L           | +-             | +   | +        | +-  | +        | t              | 十  | 十 | H        | 十            | 十   | _              |
| 1        |   | X                      |              | 7            | 1            | T            | $\lambda$ | 1        |            | Nitrogen, Ammonia, Dissolved NH <sub>8</sub> + NH <sub>4</sub> as N |                | _              | -   | -        | -   | -        | 17             | 1. | 0 | H        | $\dagger$    | 十   | -              |
| I        |   |                        |              |              | T            | T            | Ι         |          |            | Nitrogen, Nitrate, Dissolved  | MG/L m N       | _              | _   | 7        | -   | -        | Ť              | Ť  | Ť | H        | $\top$       | $\dagger$   | _              |
| T        |   |                        |              |              |              |              |           |          |            | Odor  | T.O.N.         | 0              | 0   | 0        | 8   | 5        | T              | T  |   | П        | 十            | 十   | -              |
| 1        |   | X                      |              |              | ₹            |              | X         | 1        |            | pH  | Standard Units | _              | -   | -        | _   | -        | -              |    | 2 | 5        | 寸            | 十   | -              |
|          |   |                        |              |              |              |              |           |          |            | Phenois, Total Recoverable  | UG/L           |                | _   | _        | _   | _        | T              |    | Г |          | 十            | 十   | -              |
|          |   |                        |              |              |              |              |           |          |            | Radium 226, Dissolved   | Pc/L           | 0              | 9   | 5        | 0   | 3        |                | Τ  |   |          | $\top$       | 十   | •              |
|          |   |                        |              |              |              |              |           |          |            | Radium 228, Dissolved   | Pc/L           | 8              | 1   | 3        | 6   | 6        | Γ              | Ī  |   | П        | 寸            | Ť   | -              |
|          |   |                        |              |              |              |              |           |          |            | Selenium, Dissolved   | UG/L           | 0              | 1   | 1        | 4   | 5        |                |    |   | П        | T            | T   |                |
|          |   |                        |              |              |              |              |           |          |            | Silver, Dissolved   | UG/L           | 0              | 1   | 0        | 7   | 5        |                |    |   |          | T            | T   |                |
|          |   |                        |              | ╧            |              | Ŀ            |           |          |            | Sodium, Dissolved   | MG/L           | 0              | 0   | 9        | 3   | 0        |                | Π  |   |          | T            | T   |                |
|          | Ц   | $\boxtimes$            |              |              | 1            |              | X         |          |            | Sulfate, Dissolved (as SO <sub>4</sub> )                            | MG/L           | 0              | 0   | 9        | 4   | 6        | 2              | 6  | • | 0        | T            | T   |                |
| 1        |   | $\boxtimes$            |              | $\supseteq$  | 1            |              | X         | 1        |            | Total Dissolved Solids (TDS)  | PPM            | 7              | 0   | 3        | 0   | 0        | 1              | 6  | 8 |          |              |   |                |
| 1_       |   |                        |              | $\perp$      |              | $\perp$      |           | L        |            | Total Organic Carbon (TOC)  | PPM            | 0              | 0   | 6        | 8   | 0        |                |    |   |          | T            | T   | _              |
|          |   |                        |              |              |              | $\perp$      | L         | L        |            | Total Organic Halogen (TOX)   | UG/L           | 7              | 0   | 3        | 5   | 3        |                |    |   |          | $\Box$       | T   | _              |
|          | Ц   |                        |              |              |              |              |           |          | $\Box$     | Toxaphene   | UG/L           | _              | _   | _        | _   |          |                |    |   |          | J            | I   | _              |
| <b>_</b> |   | Ц                      | _            | 1            | 1            | $\perp$      | _         | L        | Ц          | Turbidity   | NTU            | -              | -   | -        | _   | -        |                |    |   |          |              | $oldsymbol{ol}}}}}}}}}}}}}}}$ | _              |
| _        | $\sqcup$  |                        | $\downarrow$ | 1            | 4            | 1            |           | L        |            |   | UG/L           | +              | _   | -        | -   | -        |                |    |   |          |              |   |                |
| _        |   |                        | 4            | 4            | $\downarrow$ | +            | <u> </u>  | 1        | Ш          |   |                |                |     |          |     |          |                |    |   |          | $\perp$      |   |                |
| +        | $ \cdot $   |                        | +            | $\downarrow$ | $\downarrow$ | $\bot$       | L         | ↓_       | Ш          |   |                | 3              | 9   | 0        | 4   | 5        | -              |    |   |          | $\perp$      | $\bot$  | _              |
| +        | $\square$   | X                      | $\dashv$     | 1            | <u>}</u>     | $\downarrow$ | X         | _        | $\perp$    | Oil and Grease  |                | 1              | L   | L        | L   | L        | _              | _  | - |          | $\bot$       | $\perp$   |                |
| 4        | $\vdash$  | X                      | _            | 4            | 4            | +-           | X         | -        | $\sqcup$   | Perroleum Hydrocarbons  | MG/L           | 1              |     | _        | _   |          | 10             |    | 6 |          | 1            | $\perp$   | _              |
| +        | $\vdash$  | $\vdash \downarrow$    | -            | +            | +            | +            | $\vdash$  | -        | $\sqcup$   |   |                | 1              | _   |          | L   | _        | L              | L  |   | Ц        | 1            | $\perp$   | -              |
| +        | $\vdash$  | $\vdash \vdash$        | +            | 4            | +            | +            | -         | 1        | $\sqcup$   |   |                | 丰              | L   | L        | L   | <u> </u> | L              | _  | _ | $\sqcup$ | $\bot$       | 1   | _              |
| +        | Н   | $\left  \cdot \right $ | -            |              | +            | +            | -         | -        | $\sqcup$   |   |                | 1              | _   | _        | _   | _        | L              | Ļ  |   |          | $\downarrow$ | $\downarrow$  | _              |
| +        | $\vdash$  | $\vdash \mid$          | +            | +            | +            | +            | $\vdash$  | L        | $\sqcup$   |   |                | 1              | _   | $\vdash$ | Ļ   | _        | L              | _  | Ļ |          | $\bot$       | _   | _              |
| Т.       |   |                        |              |              |              | _            |           |          |            |   |                | 25             | _   |          |     | <u> </u> | 134            | _  |   |          | $\perp$      | _   | ī              |
| VA       | LU  | JE (                   | 000          | IN           | 3 R          | UL           | ES        | A٨       | d P        |   |                | 42<br>55<br>64 | •   |          |     | 44       | 47<br>60<br>73 |    |   |          |              |   | 53<br>56<br>79 |

HUMLIY MANAGEMENT ELEMEN

## GROUND WATER ANALYSIS - MONITORING WELL BERGET

| _            | LIT          |              |                    |               | Ge            | OT        | gia          | - P          | 1           | cific Corp.  |                             | TE   | N II       | 5 N          | ō.     |      |                    | ~          |             |                 |          |     |
|--------------|--------------|--------------|--------------------|---------------|---------------|-----------|--------------|--------------|-------------|--|-----------------------------|------|------------|--------------|--------|------|--------------------|------------|-------------|-----------------|----------|-----|
| A8<br>—      | NAA          | 4 &          |                    |               |               |           |              |              |             | Princeton Testina  |                             |      |            |              |        |      |                    |            | <del></del> |                 |          |     |
|              |              |              |                    |               | 1             |           | 061          | N            | 2           | SAMP   | LE DATE                     | _    |            |              |        |      | -                  |            |             |                 | _        | _   |
|              | R            |              | N                  | 5             | b             | d         | 4            | 6            | _           | P 371-261210548 18181  | MO. DAY                     | N.   | -          | 48           | CEI    | 17.  | NO                 | ) <b>.</b> |             | ١               | MOE      | ¥ ( |
|              | T            |              |                    | 1             | <del></del> - |           | <u></u>      | لت           |             | 10 11  | [여/[일                       | ļ    | <u>,</u> 1 | 4            | $\Box$ |      | 鳳                  |            |             |                 | L        | _   |
| ТН           | E 200        | HEI          | DUL                | J.            | NDI           | CA'       | TEO          | - 84         | ı           | Monitoring Well No. MW-Z<br>W IS TO SE OSSERVED PROM TT                        | 1.1.1                       |      | -          |              |        |      | 87                 |            |             | <u> </u>        |          | 28  |
|              |              |              |                    | ·             |               |           |              |              |             | MO. YE.  | HO. 72.                     |      |            |              |        |      |                    |            |             |                 |          |     |
|              | 2            |              | LIN                | <b>G</b> 1    | 4ON           | ΠH        | •            |              |             | SUBMIT WITH SIGNED T-YWX   | -014                        |      |            |              |        |      | •                  |            |             |                 |          |     |
| 4            | į.           | 3 3          | 1                  | 1             | •             | 1         | į            | 1            | į           | ANALYSIS   | UNITE                       | •    | 84         | RA           | -      |      | _                  |            |             |                 |          |     |
| $\bar{\Box}$ | 1            | 7            | T                  | T             | 1             | Ī         | Ň            | 1            | -           | Elevation of top of well casing with asp off                                   |                             | _    | _          | _            | _      | 1 61 | '<br><del></del> - |            |             | VAL             | UE       |     |
| $\dashv$     | +            | Ť            | +                  | ₩             | +             |           | A            | 4            | _           | (as specified in well completion report)                                       | feet MSL:<br>to nearest .01 |      |            |              |        |      | 1                  | 13         | 3 .         | 8               | 19       | 1   |
|              |              | XL.          |                    | X             |               |           | X            |              |             | Elevation of original ground level<br>(as specified in well completion report) | for MSL:                    | T    |            |              |        |      | 寸                  | ili        | 十           | 14              | 1/       | t   |
|              |              |              | Γ                  | X             | 1             |           | X            | 1            |             | Depth to water table from top of casing prior to                               | feet: to                    | 4    | T.         | . 1.         | T      | . T  | +                  | 4          | ╬           | #               | 10       | 1   |
| $\dashv$     | ⊀            | ╁            | ╁                  | $\mathcal{K}$ |               |           | ⇎            | +            | $\dashv$    | sempling with cap off  | negreet .01                 | ľ    | 1          | 1            | 1      | 1    | 1                  | <u> 21</u> | ╢.          | 17              | 13       | 1   |
| 4            | 4            | $\Psi$       | $\downarrow$       | Δ             | Ц             |           | XI.          | 1            |             | Depth to water table from original ground level<br>prior to sampling           | feet: to<br>nearest .01     | .  2 | 1          | 2 0          | )      | 1    | •                  | 2/1        | 귌.          | 12              | 12       | Ī   |
| _            | <del> </del> | $\downarrow$ | $oldsymbol{\perp}$ | <u> </u>      |               |           | $\downarrow$ | 1            | 4           | Arsenic, Dissolved   | UG/L as As                  | 1    | , †        |              | 1      | ,    | ť                  | 7          | 7           | ¥               | H        | F   |
| <u> </u>     | -            | <u> </u>     | <u> </u>           | !             | ! !           |           | <u> </u>     | 1            | 1           | Barium, Dissolved  | UG/L as Be                  | _    | _          |              |        |      |                    | ÷          | +           | +               | ┼┤       | ┝   |
| 4            | 4            | 丰            | _                  | _             | Ц             | _         | 4            | $\perp$      | 1           | Biochemical Oxygen Demand - 5 Day  | MG/L                        | 7    | _          | ) 3          | _      | _    | -                  |            | ÷           |                 |          | i   |
| 4            | $\downarrow$ | 丿            | Ļ                  |               | Ц             | 4         | 1            | 1            | 4           | Cadmium, Dissolved   | UG/L as Cd                  | 10   | -          | +            | -      |      | -                  | Ť          | Ť           | H               | $\vdash$ | r   |
| +            | $\downarrow$ | 1            | L                  | X             |               | 4         | <b>X</b>     | 1            | 4           | Chloride, Dissolved  | UG/L = G                    | 1    | 12         | <del>-</del> | ÷      |      | ٠.                 | 疗          | 力           | 0               |          | H   |
| +            |              | 1            |                    | X             |               | 4         | 楘            | 1            | -           | Chromium, Dissolved  | UG/L = Cr                   | 10   | 1          | -            | +      | 0    | 7                  | 1/         | 7           | Н               | 4        | F   |
| +            | +            | +            | -                  |               | 4             |           | 4            | +            | _           | Chromium, Dissolved, Hexavelent  | MRVF # C                    | 0    | 1          | 2            | 12     | 0    | 卞                  | (2         | IC          | 1               |          | _   |
| +            | ╀            | <del> </del> | $\vdash$           | -             | 4             | 4         | 4            | +            | _           | Chemical Oxygen Demand (COD), Dissolved  | MG/L                        | 0    | 0          | 3            | 4      | 1    | T                  | Ť          | Ť           | П               | $\sqcap$ | _   |
| ┿            | +            |              | $\vdash$           | -             | 4             | +         | +            | +            | -           | Coliform Group   | N/100 ML                    | 7    | 4          | 0            | 5      | 16   | T                  | T          | Г           | П               |          |     |
| +            | +            | $\vdash$     | Н                  | $\dashv$      | $\dashv$      | +         | +            | ╀            | +           | Color  | Pt - Co                     |      |            | 0            |        |      |                    | T          | T           | П               | 寸        |     |
| ÷            | +            |              | $\dashv$           | $\dashv$      | +             | ┿         | +            | ╀            | _           | Copper, Dissolved  | UG/L as Cu                  | 0    | 1          | 0            | 4      | 0    | T                  | Τ          | Г           | П               | ī        |     |
| ÷            | +            | Н            |                    | -             | +             | +         | +            | ╀            | _           | Cyanide, Total   | MG/L as CN                  | 0    | 0          | 7            | 2      | 0    | Ι                  | T .        |             | $\sqcap$        | T        |     |
| ÷            | +            |              |                    | +             | $\dashv$      | +         | ╬            | ╀            | 7           | Endrin, Total  | UG/L                        | 3    |            | 3            | 9      | 0    | $\mathbf{I}$       |            |             |                 | T        |     |
| t            | ╁            | Н            | +                  | 7             | +             | +         | ┿            | ╀            | Т           | Fluoride, Dissolved  | MG/L MF                     | _    | -          | 9            |        | _    | _                  |            |             |                 | T        | •   |
| T            | $\dagger$    | $\vdash$     | $\dashv$           | ┪             | +             | +         | +            | ╁            |             | Gross Alpha, Dissolved   | Pe/L                        |      |            | 5            |        |      |                    |            |             |                 | $\prod$  |     |
| Ť            | +-           | H            | $\dashv$           | +             | 十             | +         | ┿            | ╁            |             | Gross Betz, Dissolved<br>Hardness, Total as CaCO <sub>2</sub>                  | Pe/L                        |      |            | 5            |        |      |                    |            |             |                 | $\Box$   |     |
| $\dagger$    | 十            |              |                    | +             | +             | +         | 十            | ╁            | <del></del> | Iron, Dissolved  | MG/L                        | -    | _          | 9            |        | _    | _                  |            |             |                 | T        |     |
| T            | X            | H            | 1                  | χİ            | +             | 7         | +            | H            | +           | Leed, Dissolved  |                             | 0    | -          | -            |        | -    | -                  |            |             |                 |          |     |
| Ť            |              |              | _                  | Ť             | +             | +         | +            | H            | -           | Lindane, Total   | UG/L as Po                  | _    | _          |              | _      | _    | 14                 | 0          | لُــا       |                 |          |     |
| Ť            |              |              | +                  | 7             | $\dagger$     | $\dagger$ | +            | <del> </del> | +           | Manganese, Dissolved   | UG/L                        | ←    | _          | 7            | _      | -    | L                  | Щ          |             | $\underline{I}$ |          |     |
| T            |              |              | 十                  | +             | Ť             | $\dagger$ | $\dagger$    |              | +-          | Mercury, Dissolved   | UG/L                        | _    |            | 0            |        | ┶-   | L                  |            |             |                 |          | Ì   |
| -            |              |              | NIC                | _1_           |               |           | <u> </u>     | <u></u>      | T,          | mariculty, DISSOIVEG   | UG/L                        | 7    | 1          | 8            | 9      | 0    | 1                  |            | , ,         | 1               | 1        | -   |

ATTACHMENT 133

QUALITY MANAGEMENT ELEME!

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

|              |           | NA       |              |                         | Ge   | org           | <b>31</b>                               | a-P         | Pacific Corp.   |                | SW  | 10           | N    | 5.       |          |          |           | _         | _        |          | _            |
|--------------|-----------|----------|--------------|-------------------------|--|---------------|---|-------------|---|----------------|-----|--------------|------|----------|----------|----------|-----------|-----------|----------|----------|--------------|
| A8 /         | MAP       |          |              |                         |  |               | •                                       |             | tinueton Testina  |                |     |              |      | _        |          |          | _         |           |          |          |              |
|              |           | )        |              |                         |  | 70E           | -                                       |             | SAMPL   | E DATE         |     |              |      | -        |          |          |           |           | _        | -        | =            |
|              | s         |          | <b>ב</b> וג  |                         | _  |               | _                                       | <del></del> |   | IO. DAY        |     |              | B CI | IR       | T. N     | O.       |           |           | ١        | VOM      | U            |
| ,            | S         |          | 3            | <u>ur</u>               | UL (   | 11.4          | كــــــــــــــــــــــــــــــــــــــ | פרום        | 14 31-78-302-8 881  |                | 4   | $\mathbf{I}$ | Ш    | 1        | E        |          |           | ٠.        |          | Ļ        | Ĺ            |
|              |           |          |              |                         |  |               |   |             | Monitoring Well No. MW-2  |                | ,   |              |      |          | •        | •        |           |           | _        |          | <u>-</u>     |
| THI          | E SC>     | EDI      | JLE          | IND                     | C  | TE            | ,<br>D                                  | ELC         | W IS TO SE OBSERVED FROM TO   | ليليا          |     |              |      |          |          |          |           |           |          |          |              |
|              |           |          |              |                         |  |               |   |             | •   |                |     |              |      |          |          |          |           |           |          |          |              |
|              |           |          |              |                         |  |               |   |             | SUBMIT WITH SIGNED T-YWX-   | 014            |     |              |      |          |          |          |           |           |          |          |              |
|              |           | -        | DA           |                         |  | -             |   |             | •   |                |     |              |      |          |          |          |           |           |          |          |              |
| 1            | į         | 1        | 3            | 1                       | 1 1  | j             | į                                       | 1           | ANALYSIS  | UNITE          |     | 4            | AN   | 167      |          |          |           | •         |          |          |              |
|              |           |          |              | T                       | T  | T             | Τ                                       | T           | Methoxychior, Total   | UG/L           | _   | _            | 14   | _        |          | T        | Т         | _         | AL       | -        | <del>-</del> |
|              | $\top$    |          |              | T                       | $\top$   | T             | T                                       | T           | Methylene Blue Active Substances                                    | MG/L           | -+- | +            | +    | +        | 10       | +-       | ╀         | ╀         | ╀        | $\vdash$ |              |
|              | X         |          |              | 1                       | T  | X             | 1                                       |             | Nitrogen, Ammonia, Dissolved NH <sub>2</sub> + NH <sub>4</sub> as N |                | _   | -            | _    | -        | 8        | -        | ╁         | 9         | ╀╌       | H        |              |
|              |           |          |              |                         |  |               |   |             | Nitrogen, Nitrate, Dissolved  | MG/L = N       | _   | +            | +    | -        | 8        | ·        | +         | ╀         | ╁        | H        | _            |
|              |           |          |              | T                       | I  |               |   |             | Odor  | T.O.N.         | -   | -            | -    | +-       | 5        | _        | ╁         | 十         | ╁        | Н        |              |
|              | $\lambda$ | $\prod$  |              | $\overline{\mathbf{I}}$ |  | X             |   |             | pH ·  | Standard Units | _   | _            | _    | _        | 0        |          | 1.        | 12        | 15       | H        |              |
| 1            |           |          |              |                         |  |               |   |             | Phenois, Total Recoverable  | UG/L           | _   | _            | _    | _        | 0        | -        | +         | F         | 12       | H        | _            |
| 1            |           |          | $\perp$      |                         |  |               |   |             | Radium 226, Dissolved   | Pc/L           | 10  | +            | -    | -        | 3        | t        | $\dagger$ | $\dagger$ | t        | H        | _            |
| 1            | 1         | Ц        | _            | $\perp$                 | L  | L             |   |             | Radium 228, Dissolved   | Pc/L           | 18  | +-           | +    | +        | 6        | t        | $\vdash$  | T         |          | H        | _            |
| 4            | $\perp$   | Ц        | 1            |                         | L  |               |   |             | Selenium, Dissolved   | UG/L           | 0   | 1            | 1    | 4        | 5        | T        | T         |           | $\vdash$ | H        | _            |
| 4            | <u> </u>  |          |              | $\perp$                 | $oldsymbol{ol}}}}}}}}}}}}}}$ |               | L                                       | Ц           | Silver, Dissolved   | UG/L           | 0   | 1            | 0    | 7        | 5        | T        | T         | $\vdash$  |          | П        | $\exists$    |
| $\downarrow$ | 1         |          | $\downarrow$ | $\downarrow$            | Ŀ  |               | L                                       | Ц           | Sodium, Dissolved   | MG/L           | 0   | 0            | 9    | 3        | 0        | T        |           |           |          | П        | 7            |
| $\downarrow$ | X         | Ц        | _{           | $\downarrow$            | <u> </u>   | X             |   | Ц           | Sulfate, Dissolved (as SO <sub>4</sub> )                            | MG/L           | 0   | 0            | 9    | 4        | 6        | 1        | 9         |           |          | П        | 7            |
| 4            | X         |          | -            | 4                       | L  | X             |   | Ц           | Total Dissolved Solids (TDS)  | PPM            | 7   | 0            | 3    | 0        | 0        | 5        | 7         | 4         |          | П        |              |
| 4            | 4         | 4        | 4            | igspace                 | _  |               | _                                       |             | Total Organic Carbon (TOC)  | PPM            | 0   | 0            | 6    | 8        | 0        |          |           |           |          | П        | ٦            |
| +            | 4         | $\sqcup$ | 4            | $oldsymbol{\perp}$      | L  | Ц             | _                                       |             | Total Organic Halogen (TOX)   | UG/L           |     |              |      |          | 3        |          |           |           |          |          | ٦            |
| +            | 4         |          |              | ╀                       | Ļ  |               |   | Н           | Toxaphene   | UG/L           | 3   | 9            | 4    | 0        | 0        |          |           |           |          | $\prod$  | ٦            |
| +            | +-        | $\dashv$ | +            | +                       | <u> </u>   | Н             | _                                       | $\sqcup$    | Turbidity   | NTU            | 0   | 0            | 0    | 7        | 6        |          |           |           |          |          |              |
| +            | +-        | +        | +            | +                       | -  | Н             |   | Н           | Zinc, Dissolved   | UG/L           | _   |              | •    |          | 0        |          |           |           |          |          |              |
| +            | +         | -        | +            | +                       | ╀  | H             |   | Н           | 2, 4-D, Total   | UG/L           |     |              |      |          | 0        |          |           |           |          |          |              |
| +            | $\nabla$  | -        | +            | ╁                       | -  | U             | _                                       | Н           | 2, 4, 5—TP, Total   | UG/L           | 3   | 9            | 0    | 4        | 5        | -        |           |           |          | $\bot$   |              |
| 十            | $\Theta$  | $\dashv$ | K            | ╁                       | -  |               |   | H           | Oil and Grease  | MG/L           | ╀   | _            | L    | L        | Ļ        |          | •         |           |          | $\perp$  | $\bot$       |
| +            | 1         | $\dashv$ | +            | ╀                       | 7  | A             | _                                       | Н           | Perroleum Hydrocarbons  | M6/L           | ╀   | L            | _    | L        |          | <u>۲</u> | 0         | •         | 0        | ड        | 4            |
| +            | +-        | $\dashv$ | +            | +                       | $\vdash$   | $\vdash$      | -                                       | $\dashv$    |   | !<br>!         | 丰   | L            | L    | L        | $\perp$  | L        | Ц         |           |          | _        | _            |
| $\dagger$    |           | $\dashv$ | +            | +                       | H  | ${\mathbb H}$ | -                                       | $\dashv$    |   |                | 1   | -            | L    | <u> </u> | ┞        | L        | Ц         |           | _        | _        | 4            |
| +            |           | $\dashv$ | +            | +                       |  | $\vdash$      |   | $\dashv$    |   |                | ╀   | _            | _    | L        | -        | <u> </u> | Ц         | $\sqcup$  | _        | $\dashv$ | 4            |
| +            |           | $\dashv$ | +            | +                       | $\vdash$   | H             | -                                       | $\vdash$    |   |                | ╀   | $\vdash$     | -    | <u> </u> | $\vdash$ | -        |           | -         |          | 4        | <del> </del> |
|              |           |          |              | 1                       | 1  | L             | 1                                       | L           |   |                | 1   | ı            | ł    |          | 1        |          |           | ı         | ı i      | - 1      |              |

# .4. PQUALITY MANAGEMENT ELEMEN

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

| _           | AME G   | orgia-     | Pacific Corp.   | 1                           | 390      | 18  | NO            |          |             |               |              |                             |  | _ |
|-------------|---|------------|---|-----------------------------|----------|-----|---------------|----------|-------------|---------------|--------------|-----------------------------|--|---|
| AS NAME     |   | Pin        | ceton Testing   |                             | <u> </u> | _   | _             |          |             |               | <del></del>  |                             |  | _ |
| THE SCHE    | OULE ING  | - L- L- L- | MELL LEMMAN MOT AS  | 10/3<br>10/3                |          |     | 1/            | IRT.     | 以           | <b>).</b>     |              |                             | <b>***</b>                                       |   |
|             |   |            | SUBJUT WITH SIGNED T-V  | VX-014                      |          |     |               |          |             |               |              |                             |  |   |
| 111         | i i i   |            | AMALYSIS  | UNITS                       |          | ar. | A.M           | ETE      | R           |               | 1            | VAL                         | .UE  |   |
|             | $\perp$ M   | M          | Elevation of top of well casing with cap off (as specified in well completion report) | feet MSL:<br>to nearest .01 | Ţ        |     |               |          | 7           | 7             | 2            | $\mathcal{I}_{\mathcal{C}}$ | )3   |   |
| $\coprod M$ | IM  | M          | Elevation of original ground level<br>(as specified in well completion report)        | fort MSL:<br>to regreet .01 | Ť        |     | <del></del>   | ==       | 7           | $\frac{1}{1}$ | 3            | , ,                         | 14   | 1 |
| $1 \mid M$  | <u> </u>  | M          | Depth to water table from top of casing prior sampling with cap off                   | to feet: to                 | •        | 2   | 5             | 4        | •           | 1             | 4            | 17                          | 5  | I |
|             | IM  | M          | Depth to water table from original ground lever prior to sampling                     | d feet: to                  | 7        | 2   | 0             | 1        | •           | 21.           | 1            | B                           | 16   |   |
|             |   |            | Arsenie, Disselved  | UG/L as As                  | 0        | 1,  | 0             | 0        | ď           | $\dagger$     | +            | ť                           | ۲  | I |
| ! ! ! !     | !!!   | !!!        | Barium, Dissolved   | UG/L as Ba                  | _        | -   | •             | 0        | ᅩ           | ÷             | ÷            | 十                           | ++   |   |
|             | 111   |            | Biochemical Oxygen Demand - 5 Day   | MG/L                        | _        | ,   | _             | 1 1      | -+          |               | ÷            | _                           | 1  | • |
|             | <del>                                      </del> |            | Cadmium, Dissolved  | UG/L as Cd                  | _        | _   | _             | 2        | _           | ÷             | ÷            | ÷                           | +  | ĺ |
| 1 X         | TX.   | M          | Chloride, Dissolved   | . UG/L = C                  | 1        | _   | 2             | 9 !      | 5           | 朩             | 2/0          | 10                          |  | ı |
| LX          | LM_   | XL         | Chromium, Dissolved   | UGIL = C                    | 0        | _   |               | 3        | T,          | _             | 2/2          | <del>-</del> -              | Ħ  | ı |
|             | 111   | A          | Chromium, Dissolved, Hexavelent   | US/L as Cr                  | 0        | _   |               | 2 0      | _           |               | 7-           | <del>}</del>                | ╁┤   | ĺ |
|             |   |            | - Chemical Oxygen Demand (COD), Dissolved   | MG/L                        | 0        | I   | 3             | -        | †           | +             | Ŧ            | 7                           | $\vdash$   | ĺ |
|             |   |            | Caliform Group  | N/100 ML                    | +        | _   | _             | 5 (      | +           | +             | ÷            | +-                          | ╁  | ĺ |
|             |   |            | Color   | Pt - Co                     | -        |     | -             | 8 (      | _           | 十             | 十            | +                           | H  |   |
|             |   |            | Copper, Dissolved   | UG/L as Cu                  |          |     |               |          |             | +             | 十            | <del>-</del>                | <del>                                     </del> | , |
| +++         |   |            | Cyanide, Total  | MG/L = CN                   |          |     |               | 2 0      | _           | Ť             | 十            | ╁┤                          | H  | • |
|             |   |            | Endrin, Total   | UG/L                        |          |     |               | 9 (      | _           | Ť             | Ť            |                             | $\vdash$   | • |
|             | 1   |            | Fluoride, Dissolved   | MG/L # F                    |          |     | _             | 5 (      | -           | 十             | ÷            | ÷                           | $\dashv$   | • |
|             |   |            | Gross Alpha, Dissolved  | Pe/L                        | 0        | _   | $\overline{}$ | 0 :      | -           | 十             | ÷            | $\forall$                   | $\vdash$   |   |
|             |   |            | Gross Sets, Dissolved   | Pe/L                        | -        | _   | _             | 0 3      |             | ┿             | ┿            | ╀┤                          | ┝┿   |   |
|             |   |            | Hardness, Total as CeCO <sub>2</sub>  | MG/L                        | _        | -   | -             | 0 0      | _           | ┿             | 十            | ┼                           | $\vdash$   |   |
|             |   |            | Iron, Dissolved   | UG/L a Fe                   | lack     | -   | _             | 4 6      | _           | +             | ┾            | $\vdash$                    |  |   |
| IX          | X   | X          | Lead, Dissolved   | UG/L as Po                  | 0        |     |               |          |             | 十             | <del>大</del> | +                           | $\dashv$   | • |
|             |   |            | Lindane, Total  | UGAL                        | _        | _   | _             | 8   2    | _           | 半             | 半            | ┼┤                          | -  |   |
| .           |   |            | Manganese, Dissolved  | UG/L                        | +        | _   | <u>:</u>      | <u> </u> | <del></del> | ÷             | <del> </del> | <del>   </del>              | $\dashv$   | • |
|             |   | 111        | Mercury, Dissolved  |                             | -        | _   | $\rightarrow$ | 5   6    |             | +             | $\vdash$     | <u> </u>                    | !  | - |
|             |   |            | i   | UG/L                        | 17       | 1   | 5 [           | 9 0      | , [         | 4 7 0 3       | 1            | 1                           | , 1  |   |

QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

|               |  | AME          |           | ME           |              | G                       | 201          | gi           | 1-                      | Pacific Corp.   |                | 5  | W  | 0 | NO      |              |              | _       |  |              |  |              |             |
|---------------|--|--------------|-----------|--------------|--------------|-------------------------|--------------|--------------|-------------------------|---|----------------|----|----|---|---------|--------------|--------------|---------|--|--------------|--|--------------|-------------|
| _             |  |              |           |              |              |                         |              |              |                         | Priveton Test   | in             |    |    | _ |         |              |              | ·       |  |              |  |              | <del></del> |
|               |  | ١            |           |              |              | N.                      | JPO:         | ES I         | NQ.                     | SAN   | PLE DATE       |    |    |   | _       | _            |              |         |  |              |  |              |             |
|               | S  |              |           | N            | 0            | ما                      | ٦            | ٦            | دا                      | 619 311-262014-1 818  | MO. DAY        | N. | 7  | 4 | CI      | R            | P. N         | Ю.<br>= |  |              | ٧  | MOM          | ı U:        |
|               | 7  | _            |           |              | 2            | М.                      | М.           | -41          | ш.                      | 14 11 110 110 110 110 110 110 110 110 11                          | 1012           | ļ  | /  | _ | 4       | 1/           | Į            | 3       |  | •            | 1  |              |             |
|               |  |              |           |              |              |                         |              |              |                         | Monitoring Well No. MW-3  |                | •  | •  |   |         |              | -            | 7       |  |              | _  | _2           | <u> </u>    |
| n             | 46 3   | SCH          | EDI       | JLI          | IN           | DIC                     | ATI          | ED I         | <b>3 8</b> 1            | OW IS TO SE OBSERVED SOC.   | الهلها ه       |    |    | , |         |              |              |         |  |              |  |              |             |
|               |  |              |           |              |              |                         |              |              |                         | •   |                |    |    |   |         |              |              |         |  |              |  |              |             |
|               |  |              |           |              |              |                         |              |              |                         | SUBMIT WITH SIGNED T-YE   | X-014          | •  |    |   |         |              |              |         |  |              |  |              |             |
| _             |  | SAN          | _         |              |              |                         |              |              |                         | •   |                |    |    |   |         |              |              |         |  |              |  |              |             |
| 1             | 3  | į            | ł         | 1            | Ī            | Į,                      | ł            |              |                         | ANALYSIS  | UNITE          |    | PA | - | LAM!    | -            |              |         |  |              |  |              |             |
|               |  |              |           |              |              |                         |              |              | ,                       | Methoxychior, Total   | UG/L           | _  | 3  |   |         | _            | o            | Т       | _  | ┰`           | VAL  |              |             |
| _             | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |              |           |              |              |                         |              |              | brack                   | Methylene Blue Active Substances                                  | MG/L           | -  | -  | _ | _       | -            | 0            | _       | +  | +            | +  | dash         |             |
| _             | L  | X            |           | $\bot$       | X            | $\perp$                 |              | 1            |                         | Nitrogen, Ammonia, Dissolved NH <sub>8</sub> + NH <sub>4</sub> at | N MG/L M       | _  |    | _ | _       |              | 8            | _       | +  | 13           | 눆  | ┼┤           |             |
|               |  | Ŀ            | $\sqcup$  | 4            | 4            | $\perp$                 | $\perp$      | $\perp$      | $\perp$                 | Nitrogen, Nitrate, Dissolved                                      | MG/L M N       | _  | 5  |   | _       | _            | 8            | -       | ╁  | 무            | ╬  | Н            | _           |
|               | $oldsymbol{\perp}$   |              | $\dashv$  |              | ↓            | $\perp$                 | $\downarrow$ | $\downarrow$ | $\perp$                 | Odor  | T.O.N.         | _  | -  | - | _       | _            | 5            | _       | +  | 十            | +  | H            | -           |
| _             | <u> </u>   | M            | 4         | _[           | XI.          | $\perp$                 | 1            | 1            | $\perp$                 | PH  | Standard Units | _  | -  | _ | _       | _            | -            | _       |  | 13           | 10   | $\vdash$     | _           |
| _             |  | $\sqcup$     | 4         | $\downarrow$ | 1            | 1                       | 4            | 丰            | $\downarrow$            | Phenois, Total Recoverable  | UG/L           |    |    | _ | _       |              | 0            | _       | ۲  | <del> </del> | ۲  | H            |             |
|               | Н  | Ц            | 4         | 4            | 4            | 4                       | $\downarrow$ | $\perp$      | $\perp$                 | Radium 226, Dissolved   | Pc/L           | _  | _  | - | 5       | _            | _            | H       | t  | 十            |  | $\vdash$     |             |
| 4             | Н  |              | +         | 4            | +            | $\downarrow$            | ╀            | 1            | Ļ                       | Radium 228, Dissolved   | Pc/L           | 1  | _  | - | 3       | _            | _            | T       | 十  | $\vdash$     | H  |              | ٦           |
| 4             |  |              | 4         | +            | $\downarrow$ | $\downarrow$            | $\downarrow$ | ╀-           | $oldsymbol{\downarrow}$ | Selenium, Dissolved   | UG/L           | 70 | -  | - | 1       | _            | 5            | 卜       | T  | 十            | Н  | 十            | ┪           |
| 4             |  |              | +         | +            | +            | <del> </del>            | $\downarrow$ | ╀-           | L                       | Silver, Dissolved   | UG/L           | 0  | 1  | 1 | 0       | 7            | 5            |         |  | 卜            | H  | $\dashv$     | $\dashv$    |
| $\frac{1}{2}$ | -  | $\forall$    | +         | +            | +            | $\perp$                 | Ļ,           | _            |                         | Sodium, Dissolved   | MG/L           | 0  | 0  | , | 9       | 3            | 0            | Г       | П  |              | П  | 十            | 7           |
| 4             |  | $\forall$    | +         | X            | 4            | ╀                       | X            |              | L                       | Sulfate, Dissolved (as SO <sub>4</sub> )                          | MG/L           | 0  | 0  | , | 9       | 4            | 6            | 6       | П  | Г            | П  | 十            | $\dashv$    |
| 4             |  | 4            | +         | - 2          | 4            | $oldsymbol{\downarrow}$ | X            |              | L                       | Total Dissolved Solids (TDS)                                      | PPM            | 7  | 0  | 1 | 3       | _            | I            | 7       | 9  | 4            |  | $\dagger$    | $\dagger$   |
| +             | $\dashv$   | +            | +         | +            | ╀            | 1                       | ╀            | <u> </u>     | L                       | Total Organic Carbon (TOC)  | PPM            | 0  | 0  | 1 | 3       | 8            | 0            | Ė       |  |              | $\sqcap$   | $\dagger$    | 7           |
| ł             | +  | +            | +         | +            | ╀            | ╄                       | ╀            | $\vdash$     | -                       | Total Organic Halogen (TOX)                                       | UG/L           | 7  | 0  |   | 3       | 5            | 3            |         | $\sqcap$   |              | $\sqcap$   | 十            | †           |
| +             | $\dashv$   | +            | +         | +            | +            | ╀                       | -            | _            | _                       | Toxaphene   | UG/L           | 3  | 9  | 1 |         | 0            | 0            |         | П  | $\dashv$     |  | $\dot{\top}$ | †           |
| ł             | $\dashv$   | +            | ┿         | ╁            | ╁            | ╀                       | -            | _            | L                       | Turbidity   | NTU            | 0  | 0  | 0 |         | 7            | 6            |         | П  | ヿ            | T  | 十            | 1           |
| ł             | $\dashv$   | +            | ╁         | +            | ╀╌           | ╀                       | -            |              | H                       | Zinc, Dissolved   | UG/L           | 0  | 1  | ( |         | 9            | 0            |         |  | $\exists$    | $\exists$  | $\top$       | Ť           |
| ł             | $\dashv$   | +            | +         | ╁            | ╀            | ╁╴                      | $\vdash$     | H            |                         | 2. 4—D, Total   | UG/L           |    |    |   | 1       |              |              |         | $\exists$  | $\exists$    | Ť  | 十            | Ť           |
| ł             | +  | <del>7</del> | ╁         | ╁            | ╁╴           | ╁                       |              | Н            | _                       | 2, 4, 5TP, Total  | UG/L           | 3  | 9  | C | 1       | 6            | 5            |         | $\Box$   |              | T  | T            | Ť           |
| L             | ╌  | $\forall$    | 十         | ₩            | ╁            | -                       | $\Theta$     |              |                         | Oil and Grease  | MG/L           | L  |    |   |         |              |              |         |  |              |  | T            | T           |
| t             | +  | 4            | +         | *            | ╀            | <b>-</b>                | M            |              | -                       | Petroleum Hydrocarbons  | MER            |    |    | L |         |              | J            | <       | 0  | ,            | 5  | I            | Ţ           |
| t             | +  | +            | +         | $\dagger$    | $\vdash$     | -                       | H            |              | -                       |   | <del></del>    | L  | L  | L |         |              |              |         |  |              | $oldsymbol{ol}}}}}}}}}}}}}}} $ |              | I           |
| T             | $\top$   | 十            | $\top$    | $\dagger$    | -            | <del> </del>            | $\vdash$     | -            | -                       |   | <del> </del>   | Ļ  | L  | Ĺ | $\perp$ | 1            | _            |         | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | $\perp$      | $\prod$  |              | floor       |
| 1             | $\dagger$  | $\top$       | $\dagger$ | +            | -            |                         | $\dashv$     | -            | $\dashv$                |   | <del> </del>   | 1  | L  | L | 1       | 1            | $\perp$      | $\prod$ |  |              | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$   |              | I           |
| T             | $\top$   | Ť            | $\dagger$ | T            | <u> </u>     |                         | $\dashv$     | +            | +                       |   | <del> </del>   | _  | L  | L | 1       | $\downarrow$ | $\downarrow$ | $\perp$ | $\bot$   |              |  |              |             |
| -             |  |              |           | ٠            | 4            | <b></b>                 |              |              | 1                       | ·   | I              | 1  | ı  |   | 1       | 1            | - 1          | 1       | - 1  | - 1          | - 1  | ĺ            | 1           |

.4. I QUALITY MANAGEMENT ELEMEN

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

|           | All God  |          | acific Corp.  |                             | 5W 1           | No          |              |              | _        | _            |                   | _         |                |
|-----------|----------|----------|---|-----------------------------|----------------|-------------|--------------|--------------|----------|--------------|-------------------|-----------|----------------|
| SHAME     | Geo      | LETE-L   |   |                             |                |             |              |              |          |              |                   |           |                |
|           |          |          | Hinceton Testina  |                             |                |             |              |              |          |              |                   |           |                |
| THE SCHED | NJO D    | D & S    | WELL PERSON NO. YE. M   | DATE<br>O DAY<br>O I S      |                | I           | Z AT         | 7. No.       | o<br>]   |              |                   | wo        |                |
|           |          |          | SUBMIT WITH SIGNED T-VWX-   | 014                         |                |             |              |              |          |              |                   |           |                |
| SAMPL     | NOM DAIL | THE      |   | <del></del> .               |                |             |              |              |          |              |                   |           |                |
| 1111      | 111      | 181      | ANALYSE   | UNITS                       | PA             | RAN         | <b>E</b> T   | ER           |          |              | VA                | rui       | E              |
| X         | X        | X        | Elevation of top of well casing with asp off (as specified in well completion report) | feet MSL:<br>to nearest .01 | $\overline{1}$ | <del></del> |              |              | 1        | J            |                   | 3         | 1              |
| X         | X        | X        | Elevation of original ground level (as specified in well completion report)           | feet MSL:<br>te negrest .01 | T              |             |              | -            | 8        |              | K                 | /         |                |
| IX        | X        | X        | Depth to water table from top of casing prior to sampling with cap off                | feet: to<br>nearest ,01     |                | 2 8         | 4            | •            | Ī        | 2            |                   | 7         | <del>,</del> † |
| X         | X        | X        | Depth to water table from original ground level prior to sampling                     | feet: to<br>nearest .01     | 7              | 2 0         | 1            | •            | 1        | 0            |                   | 1         | 才              |
|           |          |          | Ansnie, Dissolved   | UG/L as As                  | 0              | 1 0         | 0            | 0            | Ė        | ۲            | H                 | ╁         | +              |
|           |          |          | Barium, Dissolved   | UG/L as Ba                  | 0              | _           | _            | _            | T        | <del>i</del> | $\vdash$          | 十         | +              |
| 1 1 1     | 1 1 1    |          | Siochemical Oxygen Demand - 5 Day   | MG/L                        | 010            |             | _            | _            | $\vdash$ | 1            |                   | _         | <u> </u>       |
|           |          |          | Cadmium, Dissolved  | UG/L as Cd                  | 0              | _           | -            | _            | H        |              |                   | +         | Ť              |
| IXI       |          | M        | Chloride, Dissolved   | UG/L = Q                    | _              |             |              | _            | 8        | 0            | a                 |           | 寸              |
| X         | X        | X        | Chromium, Dissolved   | UG/L = Cr                   | 0              | $\neg$      | _            | _            | 7        |              | 7                 | 7         | 4              |
|           |          | X        | Chromium, Dissolved, Hexavelent   | US/L as Cr                  | 0              | 2           | <del>-</del> | <del></del>  | 7        | Z            | ᅿ                 | $\dagger$ | 十              |
|           |          |          | Chemical Oxygen Demand (COD), Dissolved   | MG/L                        | 0              | <del></del> | ÷            | 1            | Ì        |              | 1                 | 十         | 十              |
|           |          |          | Caliform Group  | N/100 ML                    | 7 4            |             | +-           | 6            |          |              | $\dashv$          | +         | +              |
|           |          |          | Color   | Pr · Co                     | 0              | _           | -            | 0            |          |              | $\dashv$          | +         | +              |
|           |          |          | Copper, Dissolved   | UG/L as Cu                  | ++             | _           | +-           |              | Н        |              | $\frac{\cdot}{1}$ | ÷         | +              |
|           |          |          | Cyanide, Total  | MG/L a CN                   | 0              | +-          | -            | <del>,</del> |          |              | $\dashv$          | $\dagger$ | Ť              |
|           |          |          | Endrin, Total   | UG/L                        | 3 (            | _           | •            | -            |          |              | +                 |           | +              |
|           |          |          | Fluoride, Dissolved   | MG/L m F                    | 0              | _           | -            | -            |          |              | 寸                 | i         | ÷.             |
|           |          |          | Gross Alpha, Disselved  | Pe/L                        | 0              | -           | +            | _            | Н        |              | 寸                 | 十         | 十              |
|           |          |          | Grass Betz, Dissolved   | Pe/L                        | 0 :            | _           | +            | -            |          |              | $\dashv$          | +         | +              |
|           |          |          | Hardness, Total as CaCOg  | MG/L                        | 0              | _           | _            | _            | Н        |              | +                 | ÷         | Ť              |
|           |          |          | Iron, Dissolved   | UG/L m Fe                   | 0              | _           |              | -            | Н        |              | Ť                 | $\dagger$ | Ť              |
|           | X        | X        | Lead, Dissalved   | UG/L as Po                  | 0              |             | -            | -            | 귅        |              | +                 | +         | +              |
|           |          |          | Lindane, Total  | UG/L                        | 3 (            | _           | -            | -            | F        | $\preceq$    | 十                 | +         | +              |
| T         |          |          | Manganese, Dissolved  | UG/L                        | 0              | _           | _            | -            |          |              | <u>'</u>          | <u> </u>  | <del> </del>   |
|           | 711      |          | Mercury, Dissolved  | UG/L                        | 7 ,            | <del></del> | ÷            | <del>-</del> | H        |              | <u> </u>          | +         | +              |
|           |          | بلبينيين |   | UU/5                        | 29             |             | 13           | _            | 34       |              | !                 | 1         | į              |

QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

|     |          |             | NAI |              |              | G            | 10           | Tg.      | 14                      | -P | acific Corp.  |                | 2        | N I      | 0 1       | Ю.  |         |        |            |               |           |           |           |                | _  |
|-----|----------|-------------|-----|--------------|--------------|--------------|--------------|----------|-------------------------|----|---|----------------|----------|----------|-----------|-----|---------|--------|------------|---------------|-----------|-----------|-----------|----------------|----|
| A 8 | N/       | VMI         |     |              |              |              |              |          |                         |    | Princeton Testina   |                | <u> </u> |          |           |     |         |        |            |               |           |           |           |                |    |
|     |          |             | •   |              |              | NL.          | <b>P</b> (   | 220      | MC                      | L  | SAMPL   | E DATE         | _        |          | _         |     |         | _      |            |               |           | 7         | ===       | سنس            | =  |
|     | S        | 7           |     | LK           | ^            |              | ^            |          | _                       |    |   | O. DAY         | N        | <u>u</u> | -         | :21 | IT.     | N      | ).<br>1    |               |           | *         | KOM       | 1 ():          | 31 |
|     | 4        |             |     |              | 2            | UI           | 0            | <u> </u> | ום                      | 0  | a binaparana a bigit  |                | Ų        | Ц        | <u>/ </u> | 7   | /       | K      |            |               |           |           |           | ]              |    |
|     |          |             |     |              |              |              |              |          |                         |    | Monitoring Well No. MW-H  |                | ,.       | •        |           |     |         | 27     |            |               |           | <u></u>   | _1        | L.             | -  |
| T   | 1E S     | <b>IC</b> H | EDI | JLE          | IN           | DIC          | AT           | ED       | 36                      | LO | W IS TO BE OBSERVED FROM TO   | ليليا          |          |          |           |     |         |        |            |               |           |           |           |                |    |
|     |          |             |     |              |              |              |              |          |                         |    |   | MG. TE.        |          |          |           |     |         |        |            |               |           |           |           |                |    |
|     |          |             |     |              |              |              |              |          |                         |    | SUBMIT WITH SIGNED T-VWX  | 914            |          |          |           |     |         |        |            |               |           |           |           |                |    |
|     |          |             |     |              |              | WT.          |              |          |                         | _  | ·   |                |          |          |           |     |         |        |            |               |           |           |           |                |    |
| 1   | 3        | Ž           | ł   | 1            | Ī            | į            | ł            | j        | į                       | 8  | ANALYSIS  | UNITE          |          | PAI      | RA        | ME  | TE      | R      |            |               | v         | 'ALI      |           |                |    |
|     |          |             |     |              |              |              |              |          |                         |    | Methoxychior, Total   | UG/L           | _        | _        | 9         | -   | 8       |        | Г          | Т             | Ť         |           |           | ı,             | ı  |
|     |          | L           |     |              |              |              |              |          |                         |    | Methylene Blue Active Substances                                    | MG/L           | -        | -        | 8         | -+  | _       | _      | <b> </b> - | $\vdash$      | ╁         | $\vdash$  | H         |                |    |
| _   | L        | X           | Ц   |              | $\mathbb{X}$ |              |              | X        |                         |    | Nitrogen, Ammonia, Dissolved NH <sub>8</sub> + NH <sub>4</sub> as N |                | _        | _        | _         | _   | _       |        | 5          | <del> -</del> | 4         | $\vdash$  | H         |                |    |
| _   |          |             |     |              |              |              |              |          |                         |    | Nitrogen, Nitrate, Dissolved  | MG/L as N      | _        | _        | 0         | _   | _       | _      | <b>1</b>   | ŀ             | ۲         | H         | H         | -              |    |
|     | L        | L           |     | $\downarrow$ |              | $\perp$      | 1            |          |                         | _  | Odor  | T.O.N.         | _        | -        | 0         | -   | _       | _      |            | $\vdash$      | H         | Н         | H         | ٦              |    |
| _   | L        | X           |     | _[           | A            | $\perp$      |              | X.       | $\perp$                 |    | Н   | Standard Units | -        | _        | 5 1       |     | 0       | _      | Z          | H             | 5         | 5         | $\vdash$  | $\neg$         |    |
| _   |          | Ц           |     | $\perp$      | _            | $\perp$      | 1            |          |                         | _  | Phenois, Total Recoverable  | UG/L           | -        | -        | 2         | -   | _       | _      |            | ۴             |           | H         |           | ᅥ              |    |
| _   |          |             |     | $\perp$      | $\downarrow$ | $\perp$      | $\perp$      | $\perp$  | $\perp$                 | 1  | Radium 226, Dissolved   | Pc/L           | _        | _        | ,         | -   | -       | _      |            | $\vdash$      | 一         | $\vdash$  |           | 寸              |    |
|     | Ц        |             | 4   | 4            | 1            | 1            | $\downarrow$ | $\perp$  | $\perp$                 | 1  | Radium 228, Dissolved   | Pc/L           | 18       | -        |           | -   | -       | 6      |            | 一             |           | $\sqcap$  | 7         | $\dashv$       |    |
|     | Ш        |             | 4   | 4            | 1            | 1            | 1            | $\bot$   | 1                       | 4  | Selenium, Dissolved   | UG/L           | 10       | +        | 1         | -   | -+      | 5      | $\dashv$   |               | H         |           | $\dashv$  | $\dashv$       | •  |
| _   |          |             | 4   | $\perp$      | 1            | $\bot$       | 1            | 4.       | 1                       | 4  | Silver, Dissolved   | UG/L           | 0        | 1        | 0         | 1   | ,       | 5      | 7          |               | П         | 寸         | $\dashv$  | 7              |    |
| _   |          |             | 4   | $\downarrow$ | $\downarrow$ | 1            | $\downarrow$ |          | $\bot$                  | 4  | Sodium, Dissolved   | MG/L           | 0        | 0        | 9         | 3   | 1       | ٥      | 7          | ᅱ             |           | 十         | 7         | 十              | •  |
| 4   | Ц        | A           | 4   |              | Ţ.           | $\bot$       | 1)           | <u>\</u> | 1                       | ļ  | Sulfate, Dissolved (as SO <sub>4</sub> )                            | MG/L           | 0        | 0        | 8         | 1   | 1       | 5      | 6          | 5             | 7         | $\forall$ | 十         | $\top$         | •  |
| 4   | 4        | 겍           | 4   |              | 4            | 4            | 1            | 4        | 1                       | _  | Total Dissolved Solids (TDS)  | PPM            | _        |          | _         | _   | _       | _      | -          | 6             | 2         | $\forall$ | $\dagger$ | $\forall$      | •  |
| 4   |          | 4           | +   | 4            | 1            | $\downarrow$ | 1            | 1        | $\downarrow$            | _  | Total Organic Carbon (TOC)  | PPM            |          |          | 0         |     |         |        | 寸          | ╗             |           | 7         | 十         | ナ              | •  |
| 4   | _        | -           | 4   | 4            | +            | 1            | $\downarrow$ | 1        | $\downarrow$            | _  | Total Organic Halogen (TOX)   | UG/L           | 7        | 0        | 3         | 9   | 1       | 1      | 7          | コ             | 寸         | 十         | 十         | $\dagger$      | •  |
| +   | -        | 4           | _   | $\bot$       | +            | $\downarrow$ | 1            | ╀        | $\downarrow$            | -  | Toxaphene   | UG/L           |          |          | 4         |     |         |        | T          | $\neg$        | $\dashv$  | 十         | 十         | $\dagger$      |    |
| +   | $\dashv$ | +           | +   | +            | +            | +            | $\downarrow$ | +        | +                       | _  | Turbidity   | NTU            | 0        | 0        | 0         | 7   | 1       | 1      | T          | $\exists$     | $\exists$ | Т         | $\top$    | 7              |    |
| +   | +        | $\dashv$    | +   | +            | +            | $\bot$       | +            | +        | ╀                       |    | Zinc, Dissolved   | UG/L           | 0        | 1        | 0         | 9   | 1       | 1      | T          | $\dashv$      | 寸         | 十         | $\top$    | $\dagger$      | •  |
| +   | $\dashv$ | +           | +   | +            | +            | +            | 1            | 4        | 1                       | _  | 2, 4-0, Total   | UG/L           | 3        | 9        | 3         | 7   | 0       | ī      | T          | $\exists$     | Ť         | T         | 十         | Ť              |    |
| +   | ┽        | $\forall$   | +   | +            | +            | +            | Ļ            | ╁        | $oldsymbol{\downarrow}$ | -  | 2, 4, 5—TP, Total   | UG/L           | 3        | 9        | 0         | 4   |         | i      | T          | T             | 寸         | Ť         | 十         | $\dagger$      |    |
| ļ   | -        | ₩           | +   | +            | 4            | ╀            | X            | 4        | +                       | +  | 011 and Grease  | MG/L           |          |          |           |     | Ι       | Ţ      | 7          | •             | Z         | T         | $\top$    | 十              | •  |
| ł   | +        | 4           | +   | *            | 4            | +.           | Z            | 4        | +                       | +  | Petroleum Hydrocarbons  | MG/L           |          |          |           |     |         | 1      | 7.         |               | 7         | T         | T         | T              | •  |
| ł   | +        | +           | +   | ╀            | +            | +            | +            | +        | +                       | +  |   |                |          |          |           |     | $\prod$ | I      | $\int$     | $\int$        | $\Box$    | T         | T         | T              | •  |
| t   | $\dashv$ | +           | +   | +            | +            | ╀            | -            | +        | +                       | +  |   |                |          |          |           |     |         | $\int$ | J          | T             | $ \top $  | J         | T         | Ť              | •  |
| +   | $\dashv$ | +           | +   | +            | +            | +            | +            | +        | +                       | +  |   |                |          |          |           |     |         | $\int$ | I          |               |           | Ţ         | T         | T              | •  |
| ł   | +        | +           | +   | +            | ┾            | +            | -            | +-       | +                       | +  |   |                |          |          |           |     | $\prod$ | I      | Ţ          | T             |           | T         | Τ         | T              | •  |
| 1   | - [      | 1           | . 1 | 1            | Į.           | 1            | ı            | 1        |                         | 1  | •   |                | 1        | Í        |           | Г   | Т       | Т      | Т          | T             | _         |           |           | $\overline{1}$ |    |

# OF A CUALITY MANAGEMENT ELEMENT

| ACILITY NA   | G  | COT               | gia          | -Pa            | cific Corp.   |                             | 300                | 101       | Ю.           |       |          |              | <del></del>             |              |
|--|--|-------------------|--------------|----------------|---|-----------------------------|--------------------|-----------|--------------|-------|----------|--------------|-------------------------|--------------|
| AS NAME  |  | -                 |              |                | Princeton Testing   |                             |                    |           |              |       |          |              |                         |              |
|  |  |                   |              | •••            | RANG  | LE DATE                     |                    |           |              |       |          |              |                         |              |
| R  | N 6  | d c               | 068          | The second     | TO GUI GIVING TELE  | IO. DAY                     | N                  | W         | CE           | RT. I | 10.      |              | w                       |              |
| 4  |  | <u>, h</u>        | <u> </u>     | <u> </u>       | मी हापस्तिव्यत्यनी थिया   | 101/13                      | K                  | $\coprod$ | $\coprod$    |       | 3        |              | i                       |              |
|  |  |                   |              |                | Monitoring Well No. MW-5  |                             | 2.3                |           |              |       | 1        |              |                         | -21          |
| THE SCHE   | DULE IN  | DICA              | TED          | 8EL            | OW IS TO BE OBSERVED PROM MO. YE.   | ليليا                       |                    |           |              |       |          |              |                         |              |
|  |  |                   |              |                | SUBMIT WITH SIGNED T-VWX  | -014                        |                    |           |              |       |          |              |                         |              |
| SAMP   | LING MC  | WTH               |              |                |   |                             |                    |           |              |       |          |              |                         |              |
| 1111   | 111  | 11                | 8            | 1 1            | ANALYSIS  | , UNITE                     |                    | ARA       | ME           | TER   |          | ,            | VALU                    | JE           |
|  | IM   | T                 | M            | T              | Elevation of top of well casing with cap off                                | foot MSL:                   | T                  |           |              |       | Τ,       | П            |                         |              |
|  | + ()   | ┿                 | H            | +              | (as specified in well completion report)                                    | to nearest .01              | $oldsymbol{\perp}$ |           |              |       | 1/       | 1            | ,0                      | 4            |
| LX   | LW   |                   | X            |                | Elevation of original ground level (as specified in well completion report) | fort MSL:<br>to regreet .01 | 1                  |           |              |       | R        | ١            | 311                     | Π            |
|  | I M  |                   | M            | 1              | Depth to weter table from top of casing prior to                            | feet: to                    | 1                  | 2         | 8 /          | 10    | 4        | k            | ,†;                     | -            |
| M  | M  | 1                 | H            | +              | Depth to water table from original ground level                             | Acces on                    | 1                  | H         | +            | 7     | $\Box$   |              | 月                       | 4            |
| HM   | +M   | +                 | 4            | +              | prior to sampling   | feet: to<br>necreet .01     | 7                  | 2         | 0            | 1 0   | 7        |              | 44                      |              |
|  | +++  | +-                |              | +              | Arsenic, Dissolved  | UG/L as As                  | 0                  | 1         | 0 1          | 0 0   |          |              | 11                      |              |
|  | 1 1 1  |                   |              | +              | Barium, Dissolved   | UG/L m Ba                   | 0                  | 11        | 0 ! 0        | )   5 |          | Ī            | 11                      | _            |
|  | +  | +                 | -            | +              | Biochemical Oxygen Demand - 5 Day   | MG/L                        | 0                  | 0         | 3   1        | 110   | Ī        | 1            | 11                      | <del>-</del> |
|  | <del>       </del>                               | +-                | +            | ╁              | Cadmium, Dissolved  | UG/L as Cd                  | 0                  | 1         | 0 2          | 1 5   |          |              |                         |              |
| 1 14   |  | +                 | 4            | +              | Chloride, Dissolved   | UG/L = G                    | 9                  | 2         | 2 1          | 5     | 4        | 3/0          | <b>XOK</b>              | 0            |
|  |  | ++                | 分            | ╁              | Chromium, Dissolved   | US/L at Cr                  | 0                  | _         | <del>-</del> | 0     | <        | 20           | <b> </b>                | 1            |
| <del>-       -   -   -   -   -   -   -   -  </del> |  | +-                | 4            | +              | Chromium, Dissolved, Hexavelent   | US/L ≥ Cr                   | 0                  | _         |              | 0     |          | 2/2          | 1                       |              |
| <del>-   -   -  </del>                             |  | ++                | +            | ╁              | Chemical Oxygen Demand (COD), Dissolved Coliform Group                      | MG/L                        |                    | 0         |              |       | Ц        |              |                         |              |
| +++  | <del>                                     </del> | ++                | +            | ╁              | Color   | N/100 ML                    |                    | 4 (       |              |       |          |              |                         |              |
|  |  | ╁┼                | +            | ╁              | Cooper, Dissolved   | Pt · Co                     | _                  | 0 (       | _            | _     | Ц        | 4            | <u>!  </u>              |              |
|  |  | ++                | +            | ╁╴             | Cyanide, Total  |                             | _                  | 1         |              |       | Ц        | 4            | $\coprod$               |              |
|  |  | ++                | 十            | 十              | Endrin, Total   | MG/L at CN                  | _                  | 0         | _            | _     | H        | <del> </del> | <u> </u>                | $\bot$       |
|  |  | $\dagger \dagger$ | 十            | +              | Fluoride, Dissolved   | UG/L                        | -                  | 9         | _            | -     | Ц        |              | $\perp \downarrow$      | <u> </u>     |
|  |  | ††                | 十            | T              | Gross Alphe, Dissolved  | MG/L at F                   | _                  | 0 1       | _            |       | $\sqcup$ | +            | $\downarrow \downarrow$ | ╀            |
|  |  | $\forall$         | 十            |                | Gross Setz, Dissolved   | Pe/L                        |                    | 1 1       | _            | _     | $\sqcup$ | <del> </del> | igspace                 | $\bot$       |
|  |  | ††                | 十            |                | Hardness, Total as CaCOa  | Pe/L                        | -                  | 3 1       | _            | _     | $\sqcup$ | 4            | <del>   </del>          | _            |
|  |  | $\dagger\dagger$  | ╅            | T              | Iron, Dissolved   | MG/L                        | -                  | 0 1       | _            | _     | Н        | +            | <del>!  </del>          | _            |
|  | X  | ++                | <del>7</del> | $\vdash$       | Lead, Dissolved   | UG/L as Fe                  | -                  | 1 0       | _            | _     |          | 丄            | $\downarrow \downarrow$ | $\bot$       |
|  | -  | +                 | 4            | H              | Lindane, Total  | UG/L as Po                  | -                  | 1 0       | <del>-</del> | _     | /-       | 2/2          | <del>/  </del>          | 1            |
|  |  | +                 | +            | <del>   </del> | Manganese, Dissolved  | UG/L                        | <u> </u>           | 9 7       | _            | -     |          | 丰            | 11                      | 1            |
| 111  |  | † †               | +            | $\vdash$       |   | UG/L                        | —                  | 1 0       | -            | -     |          |              | Щ                       | 4            |
| ALUE CO  |  |                   |              |                | Mercury, Dissolved  | UG/L                        | 7                  | 1 8       | 9            | 224   |          | 1            | 1                       | 1_           |

# DIVISION OF WATER RESOURCES QUALITY MANAGEMENT ELEMENT

| ACILITY NAME                                      | Georgia                | -Pacific Corp.  |                | SW                   | 10  | NO  |              |      |        |        | _  |           |                    |     |
|---|------------------------|---|----------------|----------------------|-----|-----|--------------|------|--------|--------|--|-----------|--------------------|-----|
| AS NAME   |                        | Princeton Test.   | NA.            | <del></del>          | _   | _   |              |      |        |        |  |           | <del></del> -      |     |
| :   | NJPOES NO              | SAMP  | LE DATE        | ·                    |     |     |              |      |        |        |  | 7         | ==                 | =   |
| S 74  | 0046                   |   | MO. DAY        | MIL                  | 4   | CI  | RT           | , AK | 0.     |        |  | *         | <u> </u>           | U\$ |
| ئ ي   | TUI UI 41 BI           | 78 77   | inalia         | 4                    | 1   | 1   | 1            | Ş    | }      |        |  |           | Ļ                  |     |
|   |                        | Monitoring Well No. MW-5  |                |                      |     |     |              | ••   |        |        |  |           | _2                 | _   |
| The schedule ii                                   | IDICATED SE            | LOW IS TO BE OBSERVED FROM HOL TE                                 | ┖╈┸┺┹┚         |                      |     |     | •            |      |        |        |  |           |                    |     |
| •   |                        |   |                |                      |     |     |              |      |        |        |  |           |                    |     |
|   |                        | SUBMIT WITH SIGNED T-VW   | <u>-014</u>    |                      |     |     |              |      |        |        |  |           |                    |     |
| SAMPLING M  | : <del>-</del>         | •   |                |                      |     |     |              |      |        |        |  |           |                    |     |
| 11111   | 1111                   | ANALYSIS  | UNITE          | 94                   | NR/ |     | T            |      |        |        | •  |           |                    |     |
|   |                        | Methoxychlor, Total   | UG/L           |                      | 9   | _   |              | _    | Г      |        |  | ALL       |                    |     |
|   |                        | Methylene Blue Active Substances                                  | MG/L           | _                    |     | _   | _            | ┾    | ┝      | ┝      | H  | H         | $\dashv$           |     |
|   | X                      | Nitrogen, Ammonia, Dissolved NH <sub>2</sub> + NH <sub>4</sub> as |                |                      | _   | _   |              | _    | _      |        | -  | ┦         | +                  | -   |
|   |                        | Nitrogen, Nitrate, Dissolved                                      | MG/L as N      |                      | 0   | j   |              |      | ۲      | •      | 1  | H         | ┿                  | _   |
|   |                        | Odor  | T.O.N.         | _                    | 0   |     |              |      | ┢      |        | <del> -</del>                                    | H         | +                  | -   |
| IMIX  | IMI                    | На  | Standard Units |                      | 0   |     | ļ            |      | 6      |        | 4  | 1         | $\dashv$           | _   |
|   |                        | Phenois, Total Recoverable  | UG/L           |                      | 2   |     |              |      | ř      |        | <del>                                     </del> | 1         | 十                  | -   |
| +   | 4111                   | Radium 226, Dissolved   | Pc/L           | _                    | 9   | _   | _            |      |        |        |  |           | +                  | -   |
|   | 444                    | Radium 228, Dissolved   | Pc/L           |                      | _   | _   | _            |      |        |        |  | H         | $^{+}$             | -   |
| ++++  |                        | Selenium, Dissolved   | UG/L           | <del></del>          | 1   | _   | -            | 5    |        |        |  |           | $\dagger$          | -   |
| <del></del>                                       |                        | Silver, Dissolved   | UG/L           | 0                    | 1   | 0   | 7            | 5    |        |        |  |           | 十                  | ٦   |
| +   |                        | Sodium, Dissolved   | MG/L           | 0                    | 0   | 9   | 3            | 0    |        |        |  | $\dashv$  | $\dagger$          | 7   |
| $+ \aleph + \aleph$                               | +X+                    | Sulfate, Dissolved (as SO <sub>4</sub> )                          | MG/L           | 0                    | 0   | 9   | 4            | 8    | 7      | 9      |  | $\forall$ | 1                  | 1   |
|   |                        | Total Dissolved Solids (TDS)                                      | PPM            | 7                    | 0   | 3   | 0            | 0    | 3      | 5      |  | $\dashv$  | Ť                  | ٦   |
| ++  | ++++                   | Total Organic Carbon (TOC)  | PPM            | 0                    | _ [ | - F | $\neg$       |      |        |        |  |           | T                  | 7   |
| ╀┼┼┼  |                        | Total Organic Halogen (TOX)                                       | UG/L           | 7                    | 0   | 3   | 5            | 3    |        |        |  | T         | T                  | 7   |
| ╅╂┼┼┼┼  |                        | Toxaphene   | UG/L           | 3                    | 9   | 4   | 0            | 0    |        |        |  | T         | T                  | 7   |
| +++++   | +                      | Turbidity   | NTU            | 0                    | 0   | 0   | 7            | 6    |        |        |  |           | T                  | T   |
| <del>+</del>                                      | ++++                   | Zinc, Dissolved   | UG/L           | 0                    |     |     | _            | _    |        |        |  | T         |                    | T   |
| ++++  |                        | 2, 4-0, Total   | UG/L           | 3                    |     |     |              |      |        |        |  |           |                    | I   |
| <del>                                      </del> | 141                    | 2, 4, 5—TP, Total   | UG/L           | 3                    | 9   | 9   | 4            | 5    |        | $\Box$ |  |           |                    | I   |
|   | $+ \Theta +$           | Oil and Grease  | M6/L           | $\sqcup$             | 4   | 4   | 4            | 1    | 4      |        | 2  |           |                    |     |
| <del>                                      </del> | +171-                  | Petroleum Hydrocarbons  | M6/L           | $\sqcup$             | 4   | 4   | 4            | 4    | $\leq$ | 0      | <u>.</u>   | 5         |                    | 1   |
| <del>!                                    </del>  | ╅┼┼                    |   |                | ₩                    | 4   | 4   | 4            | 4    | 4      | 4      | $\downarrow$                                     | $\perp$   | ŀ                  | 1   |
| <del>                                     </del>  | <del>- - - -</del>     |   |                | ₩                    | 4   | 4   | $\downarrow$ | 4    | 1      | _      | 4  | 1         | $\perp$            | Ţ   |
| <del>                                     </del>  | +++                    |   |                | H                    | 4   | +   | 4            | 4    | 1      | 4      | <u> </u>   | +         | $oldsymbol{\perp}$ | 1   |
| <del>                                     </del>  | ++++                   |   |                | H                    | 4   | 4   | 4            | 4    | 4      | 4      | ij   | 1.        | _                  | 1   |
| ALUE COOME  |                        |   | l              | 125                  | 丄   |     | Ц,           | 12.1 | 1      | 4      | 4  |           |                    | 1   |
| ALUE CODING F                                     | IULES AND<br>ON REVERS | _   |                | 25<br>42<br>55<br>64 |     |     | - 1          | 14 4 | 7      | 1      |  | I         |                    | 5   |

# .A. R QUALITY MANAGEMENT ELEMENT

## GROUND WATER ANALYSIS — MONITORING WELL REPORT

| PLEASE TYPE                                      |   | T WITH BAL  | LPOINT PEN  |  |                      |             |                                  |   |                 |             |          |           |
|--|---|---|---|--|----------------------|-------------|----------------------------------|---|-----------------|-------------|----------|-----------|
| FACILITY N                                       | AME Ge  | orgia-Pa  | eific Corp.   |  | SW ID N              | 5.          |                                  |   |                 |             |          |           |
| LAS NAME   | P   | ineta   | Testina   | <u>-</u>                                 |                      |             |                                  |   |                 |             |          | _         |
| THE SCHE   | d Orn   | p k k   | WELL PERMIT NO. TR. 1   | # DATE<br>10.   DAY<br>1707<br>#0.   FE. | 11                   | _           | _                                |   |                 | wo          |          | =<br>\$4  |
|  |   |   | SUBJUT WITH SIGNED T-YWX  | <del>-014</del>                          |                      |             |                                  |   |                 |             |          |           |
|  | rling moi   | • • • • •   | ANALYSIS  | UNITE                                    | Paraj                | METE        | •                                |   | V               | ALUE        | I        |           |
| XIX  | IM  | M   | Elevation of top of well casing with cap off (as specified in well completion report) | feet MSL:<br>to nearest .01              | T                    |             | Ti                               | 12  | $\Gamma$        | 30          | <u>示</u> | T         |
| XX   | TX  | M   | Elevation of original ground level (as specified in well completion report)           | feet MSL:                                |                      |             | 9                                | 1.  | 4               | 3           | +        | $\dagger$ |
| AT IX  | M   | M   | Depth to water table from top of casing prior to sampling with cap off                | to negreet .01                           | 8 2 1                | 14          | 18                               | ╫   | 5               | -           | 十        | $\dagger$ |
| MIK  |   | M   | Depth to water table from original ground level                                       | feet: to                                 | 7 2                  | 1           | 1,                               | +   |                 |             | 十        | t         |
| <del>\                                    </del> | + + +   | <del>         </del>                              | Prior to sampling Arsenic, Dissolved  | UG/L as As                               | 0 1                  |             | +                                | #   | 6               | 쒸           | +        | ╀         |
| 1111   | 1 1   |   | Barium, Dissolved   | UG/L as Ba                               | 0 1                  |             | _                                | ┿   | $\vdash$        | ┝┼          | +        | Ŧ         |
| 1111   | 111   | <del>                                      </del> | Biochemical Oxygen Demand - 5 Day   | MG/L                                     | 0 0 1                |             | -                                | ÷   |                 | <del></del> | ÷        | <u>:</u>  |
| <del>         </del>                             | 111   |   | Cedmium, Dissolved  | UG/L as Cd                               | 01                   | <del></del> | _                                | <del>!</del>                                      |                 |             | ┿        | ╁         |
| 1 1  |   |   | Chloride, Dissolved   | UG/L a C                                 | 8 2                  | +-+         | <u>;</u>                         | <del>,   ,                                 </del> | 0               | ᆉ           | +        | +         |
|  |   |   | Chromium, Dissolved   | UGA a Cr                                 | 1 1 1                | + +         | ;;                               | #   | 1               | 쒸           | +        | +         |
|  | 1 12  |   | Chromium, Dissolved, Hexavelent   | US/L as Cr                               | 0 1                  | <del></del> |                                  | 台   | 0               | +           | +        | +         |
|  | 117   | 1 1 1   | Chemical Oxygen Demand (COD), Dissolved   | MG/L                                     | 0 0 3                |             | _                                | +   | 빔               | +           | +        | 1         |
|  | +++   |   | Coliform Group  | N/100 ML                                 | 740                  |             |                                  | ╀┤  | Н               | +           | +        | 1         |
|  |   | <del>                                     </del>  | Color   |  |                      | 1.1         | +-                               | ╀┦  | Н               | +           | +        | ┨         |
|  | <del>                                      </del> | <del>                                     </del>  | Copper, Dissolved   | UG/L as Cu                               | 0 1                  | _           | _                                | ╂┦  | H               | +           | +        | ┨         |
|  | 111   | <del>                                     </del>  | Cyanide, Total  | MG/L as CN                               | 007                  |             | _                                | ┾╌  | $\vdash$        | _           | +        | +         |
| <del>                                     </del> |   | <del>                                     </del>  | Endrin, Total   | UG/L                                     | 3 9 3                | _           | _                                | <del></del> -                                     | ┼┤              | _           | +        | 1         |
|  |   |   | Fluoride, Dissolved   |  | 000                  |             | _                                | +-  | 늰               | +           | +        | ┨         |
|  |   | <del>                                     </del>  | Gross Alpha, Dissolved  | MG/L m F                                 |                      |             | _                                | ┿   | $\vdash$        | +           | +        | 1         |
| <del>                                     </del> | +++-  | <del>┞╴┠╶╂╸</del> ╂                               | Gross Betz, Dissolved   | Pe/L                                     | 0 1 1                |             | _                                | +-  | $\vdash \vdash$ | +           | +        | +         |
|  | 1-1-1-  | <del>                                     </del>  | Hardness, Total as CaCO <sub>2</sub>  | Pe/L                                     | 0 3 9                |             | _                                | ┼-  | Н               |             | +        | ł         |
|  | ++-   |   |   | MG/L                                     | 006                  |             | _                                | 1   |                 | _           | +        | 1         |
| X  |   | <del>         </del>                              | Iron, Dissolved   |  | 0 1 0                |             | _                                | <u> </u>  | Ц               | 4           | 4        | 1         |
| <del>                                     </del> | <del>         </del>                              | <del>- M -</del>                                  | Lead, Dissived  | UG/L as Pb                               | 0 1 0                | _           | _                                | 10  | Ц               | 4           | 1        | 1         |
| ╂  | +-  -   | <del>                                     </del>  | Lindane, Total  | UG/L                                     | 3 9 7                | _           | <del></del>                      | <u> </u>  | Ц               |             | 丄        |           |
| ╀┼┼┼   | +++   |   | Manganese, Dissolved  | UG/L                                     | 0 1 0                |             | _                                |   | Ш               | $\perp$     | $\perp$  |           |
|  |   |   | Mercury, Dissolved  | UG/L                                     | 7 1 8                | 9 (         | 1                                |   |                 |             |          | 1         |
| VALUE CO   |   | ules and<br>n rever                               |   |  | 29<br>42<br>56<br>64 |             | 12 34<br>16 47<br>10 64<br>13 72 | }<br>}  |                 |             |          |           |

## QUALITY MANAGEMENT ELEMENT

### GROUND WATER ANALYSIS - MONITORING WELL REPORT

|     |             |              | AME                |          |                      | _        |              | _      |            | POINT PEN   |                | SW             | 10  | NO. |     |         | -            |         |   |     |              |              | _ |
|-----|-------------|--------------|--------------------|----------|----------------------|----------|--------------|--------|------------|---|----------------|----------------|-----|-----|-----|---------|--------------|---------|---|-----|--------------|--------------|---|
| AR  | NAI         | П            |                    |          |                      |          |              | $\neg$ |            | acific Corp.  |                |                |     |     |     |         |              |         |   |     |              |              | _ |
|     |             |              |                    |          | $\underline{\gamma}$ | <u>۲</u> | <u>۸ر</u> (  | کے     | 0/         | Testina   |                |                |     |     | _   |         |              |         |   |     |              |              | _ |
|     |             |              |                    |          | N.                   | JPC      | ES           | NC     | <b>)</b> . | SAMPLI<br>WELL PERMIT NO. YR. ; M                                   |                | W L            | AB  | CE  | RT. | . NC    | <b>D</b> .   |         |   | w   | <b>36</b> U  | 32           | ] |
|     | S           | ]            | LK                 | 1        | ٨                    | 0        | 4            | 6      | 6          | 9 311-26206- 8190   | 707            | П              | i   | ī   | 1   | B       |              |         |   |     |              |              | ١ |
|     | 4           | •            |                    | 7        |                      | ,        | -71          |        |            | 4 4 17 17   | 33             | मं             |     |     |     | 37      | ,            |         | ł |     | 7            |              | J |
|     |             |              |                    |          |                      |          |              |        |            | Monitoring Well, No. MN-  |                | •              |     |     |     |         |              |         |   |     |              |              |   |
| TH  | IE S        | CHE          | DULI               | E IN     | DIC                  | :AT      | red          |        | ELO        | W IS TO BE OBSERVED FROM NO. TE. TO                                 | HO. YE.        |                |     |     |     |         |              |         |   |     |              |              |   |
|     |             |              |                    |          |                      |          |              |        |            | . ]   | •••            |                |     |     |     | •       |              |         |   |     |              |              |   |
|     |             |              |                    |          |                      |          |              |        |            | SUBMIT WITH SIGNED T-YWX-   | 014            |                |     |     |     |         |              |         |   |     |              |              |   |
|     | _           |              | LING               |          |                      |          |              |        |            |   |                |                |     |     |     |         |              |         |   |     |              |              |   |
| 1 2 | i           | į            | 11                 | 1        | į                    | j        | ğ            | į      | Ź          | ANALYSIS  | UNITS          | ₽.             | AR. | AM  | ETI | i R     |              |         | V | ALL | I E          |              |   |
| Τ   |             | П            | T                  |          |                      |          | П            |        | П          | Methoxychior, Total   | UG/L           | 3              | 9   | 4   | 8   | 0       | Π            |         |   |     | T            | Ť            | 7 |
| T   | П           | Ħ            |                    |          |                      |          |              |        |            | Methylene Blue Active Substances                                    | MG/L           | 3              | 8   | 2   | 8   | 0       | T            |         |   |     | 1            | +            | 1 |
| 1   |             | X            |                    | X        |                      |          | X            |        |            | Nitrogen, Ammonia, Dissolved NH <sub>2</sub> + NH <sub>4</sub> as N | MG/L as N      | 0              | 0   | 8   | 0   | 8       | 3            | •       | 5 |     | $\top$       | T            | 1 |
|     |             |              |                    |          |                      |          |              |        |            | Nitrogen, Nitrate Dissolved   | MG/L as N      | _              | _   | _   | 1   | 8       |              | Γ       |   |     |              | T            | 1 |
| Γ   |             |              |                    |          |                      |          |              |        |            | Odor  | T.O.N.         | 0              | 0   | 0   | 8   | 5       |              |         |   |     | $\Box$       |              | - |
|     |             | X            |                    | X        |                      |          | X            |        |            | рН  | Standard Units | 0              | 0   | 4   | 0   | 0       | 6            | •       | 7 |     |              | Τ            | • |
|     |             |              |                    |          |                      |          |              |        |            | Phenois, Total Recoverable  | UG/L           | 3              | 2   | 7   | 3   | 0       |              |         |   |     |              | Ţ            |   |
|     |             |              |                    |          |                      |          |              |        |            | Radium 226, Dissolved   | Pc/L           | 0              | 9   | 5   | 0   | 3       |              |         |   |     |              |              |   |
|     |             |              |                    |          |                      |          |              |        |            | Radium 228, Dissolved   | Pc/L           | 8              | 1   | 3   | 6   | 6       |              |         |   |     |              |              |   |
|     |             |              |                    |          |                      |          |              |        |            | Selenium, Dissolved   | UG/L           | 0              | 1   | 1   | 4   | 5       | L            |         |   |     |              |              |   |
|     |             |              |                    |          |                      |          |              |        |            | Silver, Dissolved   | UG/L           | 0              | 1   | 0   | 7   | 5       | L            |         |   |     |              |              |   |
|     | Ц           |              |                    |          |                      |          |              |        |            | Sodium, Dissolved   | MG/L           | 0              | 0   | 9   | 3   | 0       | L            |         |   |     |              |              |   |
|     | Ц           | XI.          |                    | X        |                      |          | $X_{\perp}$  |        |            | Sulfate, Dissolved (as SO <sub>4</sub> )                            | MG/L           | 0              | 0   | 9   | 4   | 8       | 1            | 5       |   |     |              |              | _ |
|     | $\bigsqcup$ | X            |                    | M        |                      |          | X            |        |            | Total Dissolved Solids (TDS)  | PPM            | 7              | 0   | 3   | 0   | 0       | 8            | 9       |   |     | $\perp$      |              |   |
|     | Ц           |              | $oldsymbol{\perp}$ | Ц        |                      |          | $\bot$       |        | Ц          | Total Organic Carbon (TOC)  | PPM            |                | 0   | +   | -   | -       | ٠.,          |         | Ц |     | $\perp$      |              |   |
|     | Ш           | $\bot$       |                    | Ц        | $\downarrow$         |          | $\perp$      |        |            | Total Organic Halogen (TOX)   | UG/L           |                | 0   |     |     |         |              |         |   |     | $\perp$      | $\perp$      | _ |
|     | Ш           |              | $\bot$             | Ц        | $\downarrow$         |          |              |        | Ц          | Toxaphene   | UG/L           | _              | 9   | _   | _   | _       | -            | L       |   |     | $\perp$      | $\perp$      | _ |
|     | Ц           | 1            | Щ                  | Ц        | $\bot$               | $\perp$  |              |        |            | Turbidity   | NTU            | _              | +   | +   | •   | -       | -            | L       |   |     | $\perp$      | ↓            |   |
|     | Ц           |              |                    |          | $\bot$               | $\Box$   | $\perp$      |        | Ц          | Zinc, Dissolved   | UG/L           | -              | 1   | +   |     | +       | -            |         |   |     | $\perp$      | $\perp$      | _ |
|     | Ц           | $\downarrow$ | $\perp$            | Ц        |                      |          | $\perp$      |        |            | 2, 4-D, Total   | UG/L           |                | 9   |     |     |         |              | L       |   |     | $\perp$      | $\perp$      |   |
|     | Ц           |              |                    | Ц        | _                    | $\dashv$ |              |        |            | 2, 4, 5-TP, Total   | UG/L           | 3              | 9   | 0   | 4   | 5       | 1_           | L       |   |     | $\perp$      | $\downarrow$ |   |
|     | Ц           | X            |                    | X        | 4                    | _[       | XI.          | _      |            | Oil and Grease  | MOL            | $\downarrow$   | Ļ   | _   | L   | L       | 13           |         | 0 |     | _            | $\perp$      |   |
|     | Ц           | X.           | 44                 | Д        | 1                    | _        | XL           |        |            | Perroleum Hydrocarbons  | ME/F           | ╀              | _   |     | L   | L       | 1            | 0       | ٠ | 5   | $\bot$       | 1            | _ |
| _   | $\sqcup$    | $\downarrow$ | 44                 | $\sqcup$ | _                    | 4        | $\dashv$     |        |            |   |                | 丰              | _   | L   | L   | Ļ       | L            | _       | Ц |     | 1            | $\bot$       | - |
| -   | $\vdash$    | 4            | -                  | $\sqcup$ | 4                    | _        | $\dashv$     | _      | $\square$  |   |                | 1              | 1   | _   | -   |         | L            | ╀       |   |     | $\downarrow$ | $\bot$       | - |
| _   | $\sqcup$    | $\downarrow$ |                    | -        | 4                    | _        | $\dashv$     | _      |            |   |                | 1              | ↓_  | 1   | L   | 1       | L            | 1       |   |     | $\perp$      | $\perp$      |   |
| _   | H           | +            | -                  | $\sqcup$ | _                    | 4        | $\downarrow$ | _      | Ц          |   |                | $\downarrow$   | ↓_  | ╀   | L   | L       | $\downarrow$ | igspace | _ | Ц   | 4            | _            | - |
|     |             | $\perp$      |                    | Ш        |                      |          | $\perp$      |        |            |   | <u> </u>       | ١,             | L   |     | 1_  | <u></u> | <br>  34     | L       |   |     | $\perp$      | 1            | 7 |
| VA  | LU          | E C          | ODIA               | NG       | RU                   | LE       | S A          | N      | ٥          |   |                | 29<br>42<br>55 |     |     |     | 44      | 47           |         |   |     |              | 5 6 7        | į |

. R QUALITY MANAGEMENT ELEMEN"

## GROUND WATER ANALYSIS - MONITORING WELL REPORT

| PLEASE   | Type     | OR PRI       | VT M      | 4T2  | RALI          | POINT PEN   | •                       |  |                |          |              |              |                      |              |          |           |           |              |          |
|--|----------|--------------|-----------|--|---------------|---|-------------------------|--|----------------|----------|--------------|--------------|----------------------|--------------|----------|-----------|-----------|--------------|----------|
| PACILI   |          | M            |           |  |               | ific Corp.  |                         | ,w                                       | 101            | VO.      |              |              |                      |              |          |           |           |              |          |
| LAS NA   | ME       | -A           | ₹-        | $\overline{}$  |               |   |                         |  |                | _        |              |              |                      |              |          |           |           |              | -        |
|  |          | <u> </u>     | ~V        | (P)  | 01            | Testina   |                         |  |                |          |              |              | _                    |              |          | _         |           |              |          |
|  | _        |              | NJF       | 088  | NO.           |   | le date<br>40.   day    | NJ (                                     |                | CI       | IR1          | r. N         | 0.                   |              |          | \ \w      |           |              | Γ,       |
| R  |          | NJO          | 0, 0      | 4  | 5 5           | 9 31-26205-8 890  | 707                     | T  | li             | 1        | I            | R            |                      |              |          |           |           | ]            |          |
| 7  | , '      | 8            |           |  |               | Monitoring Well No. MW-2  | **                      | IJ                                       |                |          |              | 81           | ť                    |              |          | <u> </u>  | _21       | _            | لـ       |
| THE S  | CHEE     | ULE IN       | DICA      | TED  | SEL           | W IS TO BE OBSERVED FROM TO   |                         |  |                |          |              |              |                      |              |          |           |           |              |          |
|  |          |              |           |  |               | MO. YR.   | MO. TE.                 |  | 1              |          |              |              |                      |              |          |           |           |              |          |
|  |          | <del>.</del> |           |  |               | SUBMIT WITH SIGNED T-YWX  | <u>-014</u>             |  |                |          |              |              |                      |              |          |           |           |              |          |
|  |          | ling mc      |           | _  |               | A   |                         |  |                |          |              |              |                      |              |          |           |           |              |          |
| 111  | 2 1      | 11           | 11        | 8  | 1 8           | ANALYSIS  | , UNITS                 | •  | AR/            | <b></b>  | ET!          | ER           |                      |              | V        | ALU       | Æ         |              |          |
| $\mathbf{X}$                                       | X        | I M          | 1         | M  | -             | Elevation of top of well casing with cap off (as specified in well completion report) | feet MSL:               |  | -              |          |              |              | Ti                   | 3            |          | 8         | 9         | T            |          |
| M  | M        | M            | 1         | Й  | T             | Elevation of original ground level  | to nearest .01          | 十  |                | _        | _            |              | <del> </del>         | 忙            | -        | ,,        | 7         | $\dashv$     | 4        |
| H  | $\Theta$ | 1 ()         | +         | W  | +             | (as specified in well completion report)  | to negrest .01          | 丰  | <del>,</del> - | _        | _            | _            | $\mu$                | $\mu$        | Ŀ        | 17        | 6         |              |          |
| XLL  | <b>W</b> |              |           | X  |               | Depth to water table from top of casing prior to<br>sempling with cap off             | feet: to<br>negreet .01 |  | 2              | 5        | 4            | 6            | 12                   | 1            |          | 7         | 0         |              |          |
| MT   | M        | IX           | T         | M  |               | Depth to water table from original ground level                                       | feet: to                | 7  | 2              | 0        | 1            | •            | Ťī                   | 9            | T        | 2         | 亓         | $\top$       | ٦        |
|  | +        | +            | ╁         | H  | +-            | prior to sampling Arsenic, Dissolved  | neerest .01             | <del> </del>                             | ╀              | <b>⊢</b> | ↓_           | ╀            | #                    | 尸            | !        | 1         | 4         | 4            | _        |
|  | +        | +            | +         |  | +             | Barium, Dissolved   | UG/L as As              | -  | 1              | -        |              | <u> </u>     | ╀                    | <del>!</del> | <u> </u> | ┼┤        | +         | 4            | 4        |
|  | ii       | <del></del>  | +         | <del>   </del>   | +             | Siochemical Oxygen Demand - 5 Day   | MG/L M BB               | +-                                       | -              | _        | _            | _            | $\vdash$             | <del>'</del> | <u>:</u> |           | <u>-</u>  | <del>-</del> | _        |
| <del>-                                      </del> | 1        |              | 1         |  |               | Cadmium, Dissolved  | UG/L as Cd              | -  | 1              | -        | -            | <del>-</del> | ╀                    | <del>!</del> | -        |           | +         | ᆛ            | -        |
| XIII   | M        |              | +         | M  |               | Chloride, Dissolved   | UG/L a Ca               | +  | •              |          | <del>-</del> | 5            | 9                    | 卜            | -        | 닍         | +         | +            | _        |
|  | X        | T K          | †         | X  | +1            | Chromium, Dissolved   | UG/L a Cr               | +-                                       | +              | _        | ┝-           | 0            | ₩.                   | 0            | <u> </u> | 낌         | +         | +            | _        |
|  |          | 121          |           | X  | +             | Chromium, Dissolved, Hexavelent   | US/L as Cr              | +-                                       | 1              |          | <u> </u>     | ٠            | _                    | 片            | 0        | $\vdash$  | +         | +            | 4        |
|  |          |              |           |  | 1.            | Chemical Oxygen Demand (COD), Dissolved   | MG/L                    | _  | 0              |          | _            |              | f                    | ŕ            | 0        | H         | +         | +            | $\dashv$ |
|  |          |              |           |  |               | Coliform Group  | N/100 ML                | ₩  | 4              | _        |              | -            | ┢                    |              |          | Н         | +         | +            | ۲        |
|  |          |              | П         | $\Box$   | $\top$        | Color   | Pr · Co                 | -  | 0              | -        | _            | •            | $\vdash$             |              |          |           | +         | +            | ᅱ        |
|  |          |              | $\prod$   |  | $\Box$        | Copper, Dissolved   |                         | _  | 1              | I        | _            | -            | $\vdash$             | H            |          | $\dashv$  | +         | +            | ٦        |
|  |          |              |           |  | $\prod$       | Cyanide, Total  | MG/L as CN              | _  | 0              |          | _            |              | t                    | Н            |          | H         | +         | 十            | +        |
|  |          |              |           |  |               | Endrin, Total   | UG/L                    | _  | 9              |          |              | -            | -                    |              |          | $\vdash$  | +         | 十            | 7        |
|  |          |              |           |  |               | Fluoride, Dissolved   | MG/L m F                | _  | 0              |          | _            | •            | T                    |              |          |           | 寸         | +            | 7        |
|  |          |              |           |  | $\prod$       | Gross Alpha, Dissolved  | Pe/L                    |  | 1              | _        |              |              | T                    |              |          | $\sqcap$  | +         | $\top$       | 7        |
|  |          |              |           |  |               | Gross Betz, Dissolved   | Pe/L                    | _  | 3              |          |              |              |                      | Н            |          | $\forall$ | $\dagger$ | 十            | 7        |
| $\bot$   |          |              |           |  |               | Hardness, Total as CaCO <sub>8</sub>  | MG/L                    | _  | 0              |          |              |              |                      | П            |          | H         | +         | 十            | 1        |
| $\coprod$  |          |              |           |  |               | Iron, Dissolved   | UG/L as Fe              | 0  | 1              | 0        | 4            | 6            |                      | П            |          |           | 十         | 十            | 1        |
| X  | X_       | X            |           | X  |               | Lead, Dissolved   | UG/L as Pb              | 0  | 1              | 0        | 4            | 9            | <                    | 2            | 0        |           | +         | 十            | 1        |
| 111  |          |              | $\coprod$ |  |               | Lindane, Total  | UG/L                    |  | 9              |          |              |              |                      | П            |          |           | 十         | 十            | 1        |
| 444  |          |              |           | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | $oxed{\cdot}$ | Manganese, Dissolved  | UG/L                    | 0  | 1              | 0        | 5            | 6            |                      | П            |          |           | 十         | T            | 7        |
|  |          |              |           |  |               | Mercury, Dissolved  | UG/L                    |  | 1              | _        |              | -            |                      | Π            |          | Ī         | 十         | 1            | 7        |
| VALU   | E CO     | DING R       | ULE       | S A  | ND            |   |                         | 77 55 55 55 55 55 55 55 55 55 55 55 55 5 |                |          |              |              | 34<br>47<br>60<br>73 |              |          |           | سفجب      | *            | 9        |
|  |          | ODES         |           |  |               |   | •                       | 11                                       |                |          |              | 39<br>72     | 10                   |              |          |           |           | 7            |          |

#### " QUALITY MANAGEMENT ELEMENT

## GROUND WATER ANALYSIS - MONITORING WELL REPORT

| ĀČI      | LIT           | YN           | AME     |          | G        | 60.       | re               | La.      | -P     | acific Corp.  |                | SW                   | - OI           | ₩O.<br>      |               |                |                |          |          |        |              |              |   |
|----------|---------------|--------------|---------|----------|----------|-----------|------------------|----------|--------|---|----------------|----------------------|----------------|--------------|---------------|----------------|----------------|----------|----------|--------|--------------|--------------|---|
| AB       | NAN           | AE           |         |          |          | _         |                  |          | $\tau$ | on Testina  |                |                      |                |              |               |                |                |          |          |        |              |              | _ |
|          |               |              |         |          |          |           | ES               |          |        | SAMPLE  | ·              | U L                  | AB             | CEI          | 27            | ш              |                |          |          | -      | <b>W</b> (   | =            | Ī |
|          | s             |              | N.      |          | _        | _         | _                | _        | _      |   | लेका<br>जिल्हा | <u></u>              | $\overline{7}$ | 7            | 7             | $\overline{z}$ |                |          |          | •      |              | 134          | ı |
|          | S             |              |         | ħ        | LU       | וער       | 4                | ם.       |        | A DILIEPPODI DI CILIO   | 15 1           | **                   | Ш              |              |               | 7              |                |          | · [      |        | <u>닢</u>     |              | J |
|          |               |              |         |          |          |           |                  |          |        | Monitoring Well; No. 1412-2.  |                | •                    | •              |              |               |                |                |          |          |        |              |              |   |
| TH       | <b>E S</b> (  | HE           | DUL     | E IN     | DIG      | CAT       | ED               | 84       | ELO    | WIS TO BE OBSERVED FROM LO YE TO                                    | MO. YM.        |                      |                |              |               |                |                |          |          |        |              |              |   |
|          |               |              |         |          |          |           |                  |          |        | 1   | •••            |                      |                |              |               |                |                |          |          |        |              | Ų            | ) |
|          |               |              |         |          |          |           |                  |          |        | SUBMIT WITH SIGNED T-VWX-   | 214_           |                      |                |              |               |                |                |          |          |        |              |              |   |
|          | \$            | AM           | LIN     | 2 M      | ON'      | THE       | 3                |          |        | •   |                |                      |                |              |               |                |                |          |          |        |              |              |   |
| 1        | į             | į            | įį      | 1        | į        | ł         | ğ                | į        | Ź      | ANALYSIS  | UNITS          | ₽.                   | AR/            | Vitt         | ITE           | R              |                |          | V        | ALL    | Æ            |              |   |
|          | П             | $\neg$       | T       | Τ        |          |           | П                |          |        | Methoxychlor, Total   | UG/L           | 3                    | 9              | 4            | 8             | 0              | Γ              |          |          | T      | Т            | Ť            | _ |
|          | П             | $\neg$       | $\top$  | T        |          | П         |                  |          | П      | Methylene Blue Active Substances                                    | MG/L           | 3                    | 8              | 2            | 8             | 0              |                | П        |          |        | 1            | 十            | _ |
|          |               | X            |         | X        |          |           | X                |          |        | Nitrogen, Ammonia, Dissolved NH <sub>3</sub> + NH <sub>4</sub> as N | MG/L as N      | 0                    | 0              | 8            | 0             | 8              | 0              |          | g        | 0      |              | T            | _ |
|          |               |              | $\prod$ |          |          |           |                  |          |        | Nitrogen, Nitrate, Dissolved  | MG/L as N      | 0                    | 0              | 6            | 1             | 8              |                |          |          |        |              | T            | _ |
|          |               |              |         |          |          |           |                  |          |        | Odor  | T.O.N.         | 0                    | 0              | 0            | 8             | 5              |                |          |          |        |              | m I          | _ |
|          |               | X            |         | X        |          |           | X                |          |        | РН  | Standard Units | 0                    | 0              | 4            | 0             | 0              | 6              |          | 8        |        |              | T            |   |
|          |               |              |         |          |          |           |                  |          |        | Phenois, Total Recoverable  | UG/L           | 3                    | 2              | 7            | 3             | 0              |                |          |          |        |              | I            | • |
|          |               |              |         |          |          |           |                  |          |        | Radium 226, Dissolved   | Pc/L           | 0                    | 9              | 5            | 0             | 3              |                |          |          |        |              | $\perp$      |   |
|          |               |              | $\perp$ |          |          |           |                  |          |        | Radium 228, Dissolved   | Pc/L           | 8                    | 1              | 3            | 6             | 6              | L              |          |          |        |              |              |   |
|          |               | 4            | $\perp$ | L        |          |           |                  |          |        | Selenium, Dissolved   | UG/L           | 0                    | +              | 1            | 4             | 5              | L              |          |          |        |              | $\perp$      | _ |
|          | Ц             | _            | $\bot$  | L        | Ш        |           |                  | _        |        | Silver, Dissolved   | UG/L           | 0                    | ┿              | 0            | _             | 5              | L              | Ш        |          |        | $\perp$      | $\perp$      | _ |
|          | Ц             |              | $\bot$  | Ļ        |          |           |                  | _        |        | Sodium, Dissolved   | MG/L           | 0                    | -              | 9            | $\overline{}$ | 0              |                | Ш        |          |        | _            | $\perp$      | _ |
|          |               | XI.          | $\bot$  | Х        |          |           | Д                |          |        | Sulfate, Dissolved (as SO <sub>4</sub> )                            | MG/L           | +-                   | 0              | -            | _             | 8              | 2              | -        |          |        | $\dashv$     | $\perp$      | _ |
|          |               | XI.          | $\bot$  | X        |          |           | X                | _        |        | Total Dissolved Solids (TDS)  | PPM            | 17                   | -              | -            | $\vdash$      | 0              | 1              | 5        | 8        | _      | $\dashv$     | $\downarrow$ | - |
| _        | Ц             | $\downarrow$ | 4       |          |          |           | $\perp$          |          |        | Total Organic Carbon (TOC)  | PPM            | 0                    |                |              |               | _              | L              | Ш        |          | $\Box$ | 4            | $\downarrow$ | _ |
| _        | Ц             | $\downarrow$ | $\perp$ | Ц        |          |           | $\perp$          |          |        | Total Organic Halogen (TOX)   | UG/L           |                      | 0              |              |               |                |                |          |          |        | $\downarrow$ | $\perp$      | _ |
| _        | $\sqcup$      | 4            | _       |          |          |           |                  | _        |        | Toxaphene   | UG/L           | -                    | 9              | _            | _             | _              | L              | igspace  | Ц        |        | _            | $\downarrow$ | _ |
|          | 4             | 4            | 4-      |          |          |           | $\dashv$         | 4        |        | Turbidity   | NTU            | _                    | 0              | -            | _             | _              | L              | igspace  |          |        | _            | 4            | _ |
| 4        | 4             | 4            | _       | <u> </u> |          |           | $\downarrow$     | _        |        | Zinc, Dissolved   | UG/L           | _                    | 1              |              |               |                | _              | igspace  |          |        | 4            | 4            | _ |
| _        | $\dashv$      | 4            | 4       | _        |          | $\square$ | $\dashv$         | 4        |        | 2, 4-D, Total   | UG/L           |                      | 9              |              |               |                | <b> </b> _     | -        | Н        |        | $\dashv$     | $\downarrow$ | _ |
| $\dashv$ | _             | $\forall$    | -       |          |          |           | H                | 4        |        | 2, 4, 5—TP, Total   | UG/L           | 13                   | 9              | 0            | -             | 5              | Ŀ              | <u> </u> | Ĺ        |        | -            | +            |   |
| _        | -             | +            | +-      | X        |          | _         | $\ddot{\forall}$ | $\dashv$ | -      | Oil and Grease  | M6/L           | ╀                    | ┡              | <del> </del> | L             | _              |                | •        |          |        | +            | +            | _ |
| -        | +             | 짂            | +-      | A        | Н        |           | 짂                | 4        |        | Perroleum Hydrocarbons  | MĠ/L           | ╀                    | -              | $\vdash$     |               | -              | 15             | 0        | ٠        | 2      | 의            | +            | - |
| ᅱ        | $\dashv$      | +            | +       |          | Н        | $\vdash$  |                  | 4        |        |   |                | ╀                    | ┞              | ├            | $\vdash$      | <del> </del>   | ┝              | ┼        | $\vdash$ |        |              | +            | _ |
| ٦        | $\dashv$      | +            | +       | +        |          | $\vdash$  | $\dashv$         | 4        |        |   |                | 十                    | ┝              | -            | $\vdash$      | <del> </del>   | ┞              | $\vdash$ | _        | Н      | $\dashv$     | +            | _ |
| 4        | ${\mathbb H}$ | +            |         | -        | $\vdash$ | $\vdash$  | +                | 4        | -      |   |                | ╀                    | ╀              | -            | -             | $\vdash$       | ╀              | +        | -        | Н      | +            | +            | _ |
| ᅱ        | -+            | $\dashv$     | +       | -        | $\vdash$ | $\vdash$  | $\dashv$         | -        |        |   |                | +                    | ╀              | $\vdash$     | $\vdash$      | -              | ╀              | $\vdash$ | <u> </u> |        | $\dashv$     | $\dashv$     | - |
|          |               |              | 丄       | 1        | L.       |           |                  | - 1      |        |   | l              | 25<br>42<br>55<br>64 | L              | L            | L             | <b>1</b>       | 34<br>47<br>60 | 1        |          |        |              | <u> </u>     | Į |

# . ROUALITY MANAGEMENT ELEMEN

|         | LITY                    |              | ~ .      | _(       | 40           | rg:    | La- | Pa      | cific Corp.   |                             | SW ID NO. |              |          |            |              |                      |               |  |          |          |                        |  |  |
|---------|-------------------------|--------------|----------|----------|--------------|--------|-----|---------|---|-----------------------------|-----------|--------------|----------|------------|--------------|----------------------|---------------|--|----------|----------|------------------------|--|--|
| ABI     | MAN                     |              |          | 3        | P            | $\sim$ | (P) | 10,     | Testina   |                             | 4         |              |          |            |              |                      |               |  |          |          |                        |  |  |
| ТН      | R<br>1<br>E SC          | 1 <b>8</b> D |          | <u>o</u> | 0            | 0 4    | 6   | va<br>B | WELL PERMIT NO. TO SE OCCUPATION TO SE OCCUPATION TO SE OCCUPATION TO TO SE OCCUPATION TO TO SE OCCUPATION TO TO SE OCCUPATION TO TO SE OCCUPATION TO TO SE OCCUPATION TO TO SE OCCUPATION TO TO SE OCCUPATION TO TO SE OCCUPATION TO TO SE OCCUPATION TO TO TO TO TO TO TO TO TO TO TO TO TO | TOT                         | NJ [/     | 1/           | 1/       |            | 7. N         | 0.                   |               |  | ***      | OM [     | ֡֟֝֟֝֟֝֟֝֟֝֟֟ <u>֚</u> |  |  |
|         | _                       |              |          |          |              |        |     |         | SUBNIT WITH SIGNED T-YWX  | <u>-014</u>                 |           |              |          |            |              |                      |               |  |          |          |                        |  |  |
| 4       | i i                     |              | INC      |          |              | •      | 4 1 | 1       | ANALYSIS  | UNITS                       |           | AR           | AM       | ET         | EA           |                      |               | V  | ALL      | Æ        |                        |  |  |
|         | <u> </u>                |              |          | M        |              |        | 1   |         | Elevation of top of well casing with cap off (as specified in well completion report)   | feet MSL:<br>to nearest .01 | T         |              |          |            |              | Ti                   | 2             |  | 0        | 3        | Γ                      |  |  |
|         |                         | 1            |          | X        |              |        | 1   |         | Elevation of original ground level (as specified in well completion report)   | feet MSL:<br>to negreet .01 | T         |              |          |            |              | Ī                    | 0             |  | 1        | 4        | Γ                      |  |  |
|         | X                       |              |          | X        |              |        | V   |         | Depth to water table from top of casing prior to sampling with cap off  | feet: to<br>nearest .01     | •         | 2            | 5        | 4          | 0            | 12                   | 4             |  | 7        | 0        |                        |  |  |
|         | $\lambda$               |              |          | X        | T            |        | 1   |         | Depth to water table from original ground level prior to sampling   | feet: to<br>nearest .01     | 7         | 2            | 0        | 1          | •            | 2                    | 12            |  | 2        | 1        | Γ                      |  |  |
|         |                         |              | П        |          | 1            | T      | T   | T       | Arsenic, Dissolved  | UG/L at As                  | 10        | 1,           | 0        | <b>t</b> • | 0            | f                    | <del> -</del> | ┝  | Н        |          | H                      |  |  |
|         |                         |              | <u> </u> |          | 7            | T      | Ţ   | T       | Barium, Dissolved   | UG/L as Ba                  | _         | <del>-</del> | 0        | -          | ÷            | t                    | ÷             | ή-   |          | $\dashv$ | -                      |  |  |
| 1       | İ                       | i            |          | Ī        | ī            | i      | Ī   | Ī       | Biochemicsi Oxygen Demand - 5 Day   | MG/L                        | _         | +            | 13       | -          | _            | ╁                    |               | <u>:                                    </u> | 1 1      | <u> </u> | <u> </u>               |  |  |
|         |                         |              |          |          | T            | T      | T   | T       | Cadmium, Dissolved  | UG/L as Cd                  | _         | -            | 0        | +          | <del>-</del> | H                    |               | -  |          | $\dashv$ | $\vdash$               |  |  |
| 1       | $\overline{\lambda}$    | 1            |          | A        | 1            | 下      | 1   |         | Chloride, Dissolved   | UG/L m G                    | +         | 2            | 2        | -          | 10           | 廿                    |               | 0  | 0        | ᅱ        | H                      |  |  |
| 7       | $\overline{\mathbf{x}}$ |              |          | X        | 1            | 7      | 7   | Τ       | Chromium, Dissolved   | UG/L a Cr                   | 10        | 1            | 0        | 3          | 6            | 1                    | 7             | 2  | Н        | 쒸        | H                      |  |  |
| ٦       | X                       |              |          | Ŋ        | 7            | 7      | 1   | Τ       | Chromium, Dissolved, Hexavelent   | US/L as Cr                  | 4         | i            | +-       | ÷          | 0            | रि                   |               | 0  |          | $\dashv$ | _                      |  |  |
|         | T                       |              |          | 7        | 1            | T      | T   | •       | Chemical Oxygen Demand (COD), Dissolved   | MG/L                        | +         | 0            | +        | 4          | +-           | H                    | 1             | ×  |          | $\dashv$ | Г                      |  |  |
| T       |                         |              |          | T        | 1            | T      | T   |         | Coliform Group  | N/100 ML                    | -         | +            | 0        | ▙          | _            | H                    | H             |  |          | ┪        | _                      |  |  |
| T       | T                       |              |          |          | T            |        | T   |         | Color   | Pr · Co                     | _         | -            | 0        | -          | _            | H                    |               |  |          | $\dashv$ | _                      |  |  |
|         | T                       | П            |          |          | T            | T      | T   |         | Copper, Dissolved   | UG/L m Cu                   | _         | _            | _        | _          |              | _                    | H             |  |          | ᅥ        |                        |  |  |
| I       |                         |              |          |          |              |        | T   |         | Cyanida, Total  | MG/L as CN                  | _         | -            | 7        | _          |              |                      | H             |  |          | $\dashv$ | _                      |  |  |
| T       |                         |              |          | T        | T            | Τ      | Τ   |         | Endrin, Total   | UG/L                        | _         | _            | 3        |            |              |                      | H             |  |          | +        | _                      |  |  |
|         |                         |              |          |          | Ι            |        |     |         | Fluoride, Dissolved   | MG/L at F                   |           | _            | 9        | _          | _            |                      |               |  |          | 寸        | ٠                      |  |  |
|         |                         |              |          |          | $\prod$      |        |     |         | Gross Alphe, Dissolved  | Pe/L                        | _         | _            | 5        | -          | _            | -                    | Π             |  | $\sqcap$ | 7        | _                      |  |  |
|         |                         |              |          | T        | $\prod$      |        | Τ   |         | Gross Betz, Dissolved   | Pe/L                        |           | _            | 8        |            | _            |                      | H             |  |          | 寸        |                        |  |  |
| $\prod$ | $\prod$                 |              |          |          | $\mathbf{I}$ | $\int$ |     |         | Hardness, Total as CaCO <sub>8</sub>  | MG/L                        |           | -            | 9        | _          | _            | _                    | П             |  | i        | 7        | _                      |  |  |
|         |                         |              |          |          | $\mathbf{I}$ | Τ      |     |         | Iron, Dissolved   | UG/L m Fe                   | -         | -            | 0        | -          | •            | М                    | $\sqcap$      |  |          | 寸        | _                      |  |  |
|         | X                       |              |          | XΙ       |              | X      | 1   |         | Lead, Dissolved   | UG/L as Pb                  | _         |              |          |            |              | 3                    | 0             |  | $\dashv$ | $\dashv$ | _                      |  |  |
|         |                         |              |          |          |              | I      | Γ   |         | Lindane, Total  | UGAL                        | _         | -            | 7        | _          | •            |                      | $\sqcap$      |  |          | $\dashv$ |                        |  |  |
|         |                         |              |          |          | T            |        | Ι   | •       | Mangenese, Dissolved  | UG/L                        | _         | -            | 0        | _          | •            |                      |               |  |          | +        | _                      |  |  |
| $\int$  |                         |              |          | T        | I            | Ι      |     |         | Mercury, Dissolved  | UG/L                        | _         | _            | 8        | -          | -            |                      | ı             | 1  | i        | $\dashv$ |                        |  |  |
|         | LUE                     |              |          |          |              |        |     |         |   |                             | 23        | -            | <u> </u> |            |              | 34<br>47<br>60<br>78 |               |  | <b>-</b> |          |                        |  |  |

## QUALITY MANAGEMENT ELEMENT

### GROUND WATER ANALYSIS - MONITORING WELL REPORT

| ACH           | LITY      | AM               | £            | _       |              |      |          |             | POINT PEN  | 7              | \$W                   | io I            | <b>VO</b> . |             |                      |          |                |              |           |                |                |
|---------------|-----------|------------------|--------------|---------|--------------|------|----------|-------------|--|----------------|-----------------------|-----------------|-------------|-------------|----------------------|----------|----------------|--------------|-----------|----------------|----------------|
|               | VAME      |                  |              | کے      | Geo          | r    | 11       | I-P         | acific Corp.   |                |                       |                 |             |             |                      |          |                |              |           |                |                |
|               | 10ME      |                  |              | 7       | <u>元</u>     | کړ   | يو       | 五           |  |                |                       |                 |             |             |                      |          |                | _            |           |                |                |
|               |           |                  |              | 1       | NJP          | OEI  | E N      | <b>a</b> .  | SAMPLI<br>WELL PERMIT NO. YE. I M                                    |                | M F                   | 48              | CE          | <b>8</b> T. | MC                   | 1        |                | ſ            | wa        | 4 1 14         | $\Box$         |
| .             | S         | ۸                | 4.1          | _       | _            | _    | ·        | 6           |  | 7 7 7          | <u> </u>              | $\widetilde{I}$ |             | 77          |                      | Ì        |                |              | ]         | 7              | "              |
| . !           | S         |                  | 7            | 21.1    | <u> </u>     | 11 4 | L        | 0_0         | d busine   | 1101           | 4                     | <u>'</u> _      |             | <u></u>     |                      | 1        |                | L            | L         | 1              |                |
|               |           |                  |              |         |              |      |          |             | Monitoring Well No. MW-3   |                |                       |                 |             |             |                      |          |                |              |           |                |                |
| THI           | E SCHI    | !DU              | LEI          | ND      | ICA          | TEI  | D 8      | ELC         | W IS TO BE OBSERVED FROM TO TO                                       | HO. 18         |                       |                 |             |             |                      |          |                |              |           |                |                |
|               |           |                  |              |         |              |      |          |             | •••••  |                |                       |                 |             |             |                      |          |                |              |           |                |                |
|               |           |                  |              |         |              |      |          |             | SUBMIT WITH SIGNED T-YWX-  | 014_           |                       |                 |             |             |                      |          |                |              |           |                |                |
|               | SAM       | PLIP             | NG N         | 101     | чтн          | 15   |          |             | •  |                |                       |                 |             |             |                      |          |                |              |           |                |                |
| 1             | įį        | }.               | ] ;          | i       | 11           | ğ    | j        | 1           | ANALYSIS   | UNITS          | P                     | AR/             | AMI         | ETE         | i R                  |          |                | VA           | LUE       | i              |                |
|               |           | $\check{\sqcap}$ | Ť            | T       | T            | T    | Ť        | T           | Methoxychlor, Total  | UG/L           | <b>T</b> <sub>3</sub> | 9               | 4           | 8           | 0                    |          | П              | Ī            | T         | T              | П              |
| H             |           | $\vdash$         | 十            | T       | +            | T    | t        | +           | Methylene Blue Active Substances                                     | MG/L           | +-                    | -               | ╆           | 8           | -                    | $\vdash$ | H              | $\dashv$     | $\dagger$ | 十              | H              |
| Н             | X         | +                | K            | 1       | T            | X    | 1        | T           | Nitrogen, Ammonia , Dissolved NH <sub>8</sub> + NH <sub>4</sub> as N |                | _                     | _               | _           | _           |                      | 0        |                | 7            | 3         | ╁              | H              |
| $\sqcap$      |           | 1                | 1            | +       | T            | ٣    | 1        | T           | Nitrogen, Nitrate, Dissolved   | MG/L as N      | _                     | 0               | 8           | 1           | 8                    | ř        | $\dashv$       | +            | 4         | $\dagger$      | H              |
| П             |           | $\top$           | $\top$       | T       | T            | T    | T        | T           | Odor   | T.O.N.         | 0                     | <del></del>     | 0           | ┾           | 5                    |          | $  \uparrow  $ | 寸            | $\dagger$ | 十              | H              |
| $\exists$     | X         | o                | 7            | 1       | T            | X    | 1        |             | На   | Standard Units | 0                     | -               | +-          | -           | 0                    | 6        |                | 8            | 1         | T              | H              |
|               |           |                  | T            | T       | T            |      |          | Γ           | Phenois, Total Recoverable   | UG/L           | 3                     | 2               | 7           | _           | 0                    |          |                |              |           |                | П              |
|               |           |                  | T            | T       | Τ            | Τ    | T        |             | Radium 226, Dissolved  | Pc/L           | 0                     | 9               | 5           | 0           | 3                    |          |                |              |           | T              | П              |
|               |           |                  | T            | T       |              | Π    |          | Γ           | Radium 228, Dissolved  | Pc/L           | 8                     | 1               | 3           | 6           | 6                    |          |                | $\exists$    |           |                | П              |
|               |           |                  |              | Ι       | Π            |      |          |             | Selenium, Dissolved  | UG/L           | 0                     | 1               | 1           | 4           | 5                    |          |                |              |           |                | П              |
|               |           |                  |              |         |              |      |          |             | Silver, Dissolved  | UG/L           | 0                     | 1               | 0           | 7           | 5                    |          |                |              |           | T              | П              |
|               |           |                  |              |         | $\Gamma$     |      |          |             | Sodlum, Dissolved  | MG/L           | 0                     | 0               | 9           | 3           | 0                    |          |                |              |           | Τ              | П              |
|               | $\square$ |                  | X            |         |              | X    |          |             | Sulfate, Dissolved (as SO <sub>4</sub> )                             | MG/L           | 0                     | 0               | 9           | 4           | 8                    | 1        | 2              |              | T         | Τ              |                |
|               | X         |                  | X            |         |              | X    |          |             | Total Dissolved Solids (TDS)   | PPM            | 7                     | 0               | 3           | 0           | 0                    | 1        | 5,             | 8            |           | Τ              | П              |
|               |           |                  |              |         |              |      |          |             | Total Organic Carbon (TOC)   | PPM            | 0                     | 0               | 6           | 8           | 0                    |          |                |              | T         | Τ              | П              |
|               |           |                  |              |         |              |      |          |             | Total Organic Halogen (TOX)  | UG/L           | 7                     | 0               | 3           | 5           | 3                    |          |                |              |           | $\prod$        |                |
|               |           |                  | $oxed{I}$    |         |              |      |          |             | Toxaphene  | UG/L           | 3                     | 9               | 4           | 0           | 0                    |          |                |              |           |                |                |
|               |           |                  |              |         |              |      |          |             | Turbidity  | NTU            | 0                     | 0               | 0           | 7           | 8                    |          |                |              |           |                |                |
|               |           |                  |              |         |              |      |          |             | Zinc, Dissolved  | UG/L           | 0                     | 1               | 0           | 9           | 0                    |          |                |              | $\prod$   | $oxed{\Gamma}$ |                |
| $\bot$        | $\perp I$ |                  |              |         |              |      |          |             | 2, 4-D, Total  | UG/L           |                       |                 |             | 7           |                      |          |                |              |           |                |                |
| _             |           | _                | $\downarrow$ | L       | L            |      |          |             | 2, 4, 5—TP, Total  | UG/L           | 3                     | 9               | 0           | 4           | 5                    |          |                |              |           |                |                |
| ightharpoonup | X         |                  | X            |         | L            | X    |          |             | Oil and Grease   | MG/L           |                       | L               | L           |             |                      | 2        | •              | 0            |           |                |                |
| _             | $\bot$ X  | $\bot$           | X            |         | <u> </u>     | X    | _        | $\sqcup$    | Perroleum Hydrocarbons   | MG/L           | 1                     | L               | L           |             |                      | K        | 0              |              | 5 C       |                | $\coprod$      |
| $\dashv$      | 44        | $\downarrow$     | _            | L       | Ľ            |      | L        | Ш           |  |                | 1                     | L               | _           | Ŀ           | L                    | L        | Ц              | $\bot$       | $\perp$   | 1              | Ц              |
| ∔             | - -       | $\downarrow$     | $\downarrow$ | $\perp$ | _            |      | L        | $\bigsqcup$ |  |                | L                     | _               | _           | L           | L                    |          | Ц              | $\downarrow$ | $\perp$   | $\perp$        | Ц              |
| 4             | 44        | $\bot$           | +            |         | _            |      | L        |             |  |                | $\bot$                |                 | L           | L           | _                    | L        | Ц              | $\bot$       | $\perp$   | $\perp$        | Ц              |
| _             | - -       | $\bot$           | $\bot$       | 1       | $oxed{\bot}$ | _    | _        |             |  |                | $\perp$               |                 | L           | L           |                      | L        | Ц              | <u> </u>     | $\bot$    | 1              | Ц              |
|               |           |                  |              |         |              | L    | <u> </u> |             |  | ·              | 1                     | L               |             | <u>L</u>    | <u> </u>             | Ļ        | Ш              |              |           | 1              | لير            |
|               | LUE       |                  |              | -       |              |      |          |             |  |                | 29<br>42<br>54<br>64  |                 |             |             | 33<br>44<br>59<br>72 | 34       |                |              |           |                | 53<br>66<br>79 |

ATTACHMENT 7-36

## A CUALITY MANAGEMENT ELEMENT

## GROUND WATER ANALYSIS - MONITORING WELL REPORT

| ĀÇ | LIT            | YN                   | اللم   | Γ,       | Geo       | rgi        | a-   | Pac             | ific Corp.  |                             | <b>5W</b> | D A      | Ō. |     |     |                |                   |              |  | _             |
|----|----------------|----------------------|--------|----------|-----------|------------|------|-----------------|---|-----------------------------|-----------|----------|----|-----|-----|----------------|-------------------|--------------|--|---------------|
| Al | NAI            | W.E                  |        | ~        | 5         |            | w    | á (             | Testina   |                             |           |          |    |     | _   |                |                   |              |  | -             |
|    | R              |                      | N      | 10       |           | <b>#</b> 0 | 88 N | a.              | WELL PERMIT NO. 12 19 0   | E DATE<br>10.   DAY         | W (       | 40       | ct |     | N B | <b>-</b><br>). |                   | [            | vom<br>[   |               |
| TI | 1E S           | CHI                  | DUI    | LE II    | NDIC      | ATI        | 10 0 | ELC             | WIS TO SE OSSERVED FROM NO. TE. TO  | HO. 48.                     |           |          |    |     |     |                |                   |              |  |               |
|    |                |                      |        | Ì        |           |            |      |                 | SUBJUT WITH SIGNED T-YWX-   | 014                         |           |          |    |     |     |                |                   |              |  |               |
|    |                |                      |        | _        | IONT      |            |      |                 |   |                             | •         |          |    |     |     |                |                   |              |  |               |
|    | 1              | ł                    | 1      | 1        | 1         | 1 2        | } }  | į               | ANALYSIS  | UNITS                       | P         | ARJ      |    | ITE | R   |                | •                 | VAL          | UE   |               |
|    |                | X                    |        | X        | $\coprod$ |            |      |                 | Elevation of top of well casing with cap off (as specified in well completion report) | feet MSL:<br>to nearest .01 |           |          |    |     |     | 1              | 1                 | . 3          | 1/   |               |
|    |                | X                    |        | X        |           |            |      |                 | Elevation of original ground level (as specified in well completion report)           | feet MSL:<br>to negreet .01 | T         |          |    |     |     | 8              |                   | 才            |  | П             |
| T  |                | X                    | T      | X        | 11        |            | 1    |                 | Depth to water table from top of casing prior to sampling with cap off                | feet: to<br>neerest .01     | •         | 2        | 5  | 4   | •   | 7              | -+                | 5 5          | +  | Н             |
|    |                | X                    |        | X        | 11        | 7          | 1    | $\sqcap$        | Depth to water table from original ground level prior to sampling                     | feet: to                    | 7         | 2        | 0  | 1   | •   | 4              | -+                | 9/1          | +  | Н             |
| 卜  | H              | 4                    | 十      | +        |           | +          | 十    | Н               | Arsenic, Dissolved  | UG/L as As                  | 6         | Н        |    | 0   | 4   | $\dashv$       | ┽                 | +            | +  | $\vdash$      |
|    |                |                      | T      | !        |           | T          | T    | П               | Barium, Dissolved   | UG/L as Ba                  | _         | 1        | _  | _   | -   | i              | 寸                 | $\dot{\top}$ | +-   | <del> -</del> |
| Ī  | 1              |                      |        | 1        |           | İ          | ī    |                 | Biochemical Oxygen Demand - 5 Day   | MG/L                        | +         | 0        |    |     | -   | -              | $\frac{\cdot}{1}$ | 7            | <del>-</del>                                     |               |
|    | П              |                      |        | Ī        | П         | T          | 十    |                 | Cadmium, Dissolved  | UG/L as Cd                  | _         | -        | -  | _   | 5   | ᅥ              | $\dot{	au}$       | Ť            | +  |               |
|    | П              | V                    | T      | X        |           | 7          | 1    |                 | Chloride, Dissolved   | UG/L = G                    | Ť.        | 2        | 7  | 9   |     | 7              | 9                 | 2/2          |  |               |
| ٢  | $\sqcap$       | Х                    | 十      | V        |           | 1          | 7    | П               | Chromium, Dissolved   | UG/L a Cr                   | 6         | 1        | 0  | 3   | 0   | 늵              | 分                 | #            | 7  | $\vdash$      |
| -  | $\Box$         | $\overrightarrow{A}$ | 十      | V        |           | 1          | 7    | П               | Chromium, Dissolved, Hexavelent   | ΠΦ\Γ # Ct                   | 6         | -        |    | 2   | -   | 汁              | 7                 | $\uparrow$   | +  | ┝             |
|    |                | Ť                    | Ť      | r        |           | +          | 十    | 1.              | Chemical Oxygen Demand (COD), Dissolved   | MG/L                        | +         | $\vdash$ | 3  | _   | 7   | 十              | #                 | +            | ╁┤   | ┢             |
| _  |                | 寸                    | +      | T        | $\vdash$  | $\dagger$  | +    |                 | Coliform Group  | N/100 ML                    | <b>↓</b>  | 4        | -  |     | _   | $\dashv$       | 十                 | +            | ╁┵   | ├             |
| _  | Ħ              | 寸                    | 十      | †        | $\vdash$  | 十          | +    | Н               | Color   | Pt · Co                     | _         | 0        | _  | _   | -   | +              | +                 | +            | ╁┤   | ┝             |
| _  | П              | Ť                    |        | †        | $\vdash$  | 十          | 十    | H               | Copper, Dissolved   | UG/L as Cu                  | _         | 1        | _  | _   | _   | $\dashv$       | +                 | $\dot{+}$    | +  | ├             |
|    |                | 7                    | 1      | T        | $\vdash$  | 十          | †    | H               | Cyanide, Total  | MG/L M CN                   | _         | 0        | -  |     | _   | ╅              | +                 | +            | ┼┤   | -             |
|    | $\Box$         | +                    | $\top$ | T        | $\vdash$  | 十          |      | Н               | Endrin, Total   | UG/L                        | _         | 9        |    | -   | _   | ᅷ              | +                 | ╀            | ┼┤   | <del> </del>  |
|    | i              | $\dagger$            | 十      |          |           | $\dagger$  | +    | H               | Fluoride, Dissolved   |                             | -         | _        | _  | -   | -   | $\dashv$       | <del>-</del>      | +            | +  | -             |
| _  | H              | $\dagger$            | +-     |          | +         | 十          | +    | H               | Gross Alphe, Dissolved  | MG/L as F                   | _         | 0        | _  | _   | -   | $\dashv$       | ᅷ                 | +            | ┼┤   | ⊢             |
| _  | H              | +                    | ╁      | $\vdash$ | +         | ┿          | +-   | H               | Gross Betz, Dissolved   | Pe/L                        | _         |          | _  | 의   |     | $\dashv$       | +                 | ╀            | ╁┷┤  | ⊢             |
| -  | $\forall$      | +                    | ╁      | $\vdash$ | +         | +          | ╁    | Н               | Hardness, Total as CaCOs  | Pe/L<br>MG/L                | _         | 3        | _  | _   | _   | +              | +                 | +            | ₩  | ┝             |
|    | Н              | +                    | +      |          | +         | ┿          | +    | Н               | Iron, Dissolved   |                             | -         | 0        | _  | _   | -   | 4              | +                 | +            | ┼-¦  | <u> </u>      |
| _  |                | ╁                    | +      | X        | +         | +          | +    | ${f H}$         |   | UG/L as Fe                  | -         | 1        | -  | -   | _   | ᆉ              | +                 | +            | $\dashv$   | _             |
|    | $\vdash$       | 4                    | +      | A        | +         | #          | ╀┤   | $\vdash \vdash$ | Lead, Dissolved   | UG/L as Po                  | _         | 1        | _  | _   | _   | 2              | 4                 | $\dotplus$   | $\dashv$   | <del> </del>  |
|    | $\vdash$       | +                    | +      | $\vdash$ | +         | +          |      | H               | Lindane, Total  | UG/L                        | -         | 9        | _  | _   | -   | <del> </del>   | 4                 | <del> </del> | <del>                                     </del> | Ļ             |
| -  | $\vdash\vdash$ | +                    | +      | $\vdash$ |           | +          |      | $\vdash$        | Manganese, Dissolved  | UG/L                        | -         | 1        |    | -   | -   |                | 4                 | 1            |  |               |
|    | 1 1            | - 1                  | 1      | 1        |           | 1          | 1    | l               | Mercury, Dissolved  | UG/L                        | 17        | 1        | 8  | 9   | o I | - 1            |                   | 1            | 1 /  | į į           |

ATTACHMENT [-]

### QUALITY MANAGEMENT ELEMENT

### GROUND WATER ANALYSIS - MONITORING WELL REPORT

|                  | Georgia-Pacific Corp. |              |              |     |          |                |   | SW ID NO.      |                      |           |    |     |      |        |   |          |            |              |              |
|------------------|-----------------------|--------------|--------------|-----|----------|----------------|---|----------------|----------------------|-----------|----|-----|------|--------|---|----------|------------|--------------|--------------|
| AB NAME          |                       | 7            | $\leq$       |     |          | $-\tau$        | ion Testina   |                |                      |           |    |     |      |        |   |          |            |              | _            |
|                  |                       |              |              |     |          |                | SAMPI   | E DATE         |                      |           |    |     |      |        | _ | ì        |            |              |              |
| <b>.</b>         | ~ L                   |              | NUP          | _   | _        | <del>, ,</del> |   | <del></del>    | בי<br>שנ             | <b>A8</b> | CE | RT. | , NK | ).<br> |   |          | WC         | <b>M</b> (   | ) <b>5</b> 1 |
| S                | ,,,4                  | סו כ         | ס ונ         | 4   | <u> </u> | 6              | न शा-ज्ञान्त्रणय-इ ब्रिग्   | 707            | ¥                    | 17        | 1  | /   | 4    |        |   |          |            | Ļ            | !            |
|                  |                       |              |              |     |          |                | Monitoring Well No. MW-H  |                | •                    | •         |    |     |      |        |   | •        |            |              | -            |
| THE SCHE         | DULE                  | IND          | ICA          | TEC | 8 (      | ELO            | WISTO BE OSSERVED FROM TO   |                |                      |           |    |     |      |        |   |          |            |              |              |
|                  |                       |              |              |     |          |                | FITALISM NUMBER OF LINE OF MAIN                                     | 2014           |                      | •         |    |     |      |        |   |          | j          |              |              |
|                  | PLING I               | ••••         | .T.L         | •   |          |                | SUBMIT WITH SIGNED T-YWX  | -919           |                      |           |    |     |      |        |   |          |            |              |              |
| _                |                       |              |              | _   |          |                |   |                |                      |           |    |     |      |        |   |          |            |              |              |
| 111              | 11                    | 1 1          | 1            | 8   | 7        | 8              | ANALYSIS  | UNITE          | P                    | AR        | W  | ETI | IR   |        |   | V        | <b>NLU</b> | E            |              |
|                  |                       | $\bot$       | $\perp$      | L   | L        | Ц              | Methoxychior, Total   | UG/L           | 3                    | 9         | 4  | 8   | 0    | L      |   |          |            | $oxed{T}$    | floor        |
|                  |                       | $\downarrow$ | $\perp$      | L   | L        | $\sqcup$       | Methylene Blue Active Substances                                    | MG/L           | _                    | 8         |    |     | -    |        |   |          |            | $oxed{\int}$ | I            |
| ľΧ               |                       | 4            | 1            | X   | L        | Ц              | Nitrogen, Ammonia, Dissolved NH <sub>8</sub> + NH <sub>4</sub> as I | MG/L MN        | 0                    | 0         | 8  | 0   | 8    | 0      | • | 1        | Z          |              |              |
|                  | -1-1                  | _            | $\downarrow$ | _   | L        | Ш              | Nitrogen, Nitrate, Dissolved  | MG/L as N      | -                    | 0         | -  | +   | ┿━-  | L      |   | Ц        |            | $\perp$      | $\downarrow$ |
| +                | +                     | 1            | $\downarrow$ |     |          | Ц              | Odor  | T.O.N.         | -                    | 0         | _  | -   | -    | L      | L | Ц        |            |              | $\perp$      |
| $\perp \bowtie$  | 1.7                   | <b>4</b> _   | L            | X   |          | Ц              | pH  | Standard Units | 0                    | 0         | 4  | 0   | 0    | 6      | • | 8        |            |              | $\perp$      |
| +                | $\bot \downarrow$     | 1            |              |     |          | Ц              | Phenois, Total Recoverable  | UG/L           | 3                    | 2         | 7  | 3   | 0    | L      |   |          |            | $\perp$      |              |
| $\bot \bot \bot$ |                       | $\bot$       |              | Ц   | L        | Ц              | Radium 226, Dissolved   | Pc/L           | 0                    | 9         | 5  | 0   | 3    | L      |   |          |            |              |              |
|                  | $\bot \bot$           | ↓            | <u> </u>     |     |          | Ц              | Radium 228, Dissolved   | Pc/L           | 10                   | 1         | 3  | 6   | 6    | L      | L |          |            |              |              |
| $\bot$           |                       |              | L            | Ц   |          | Ц              | Selenium, Dissolved   | UG/L           | 0                    | 1         | 1  | 4   | 5    |        |   |          |            |              | floor        |
|                  |                       | $\perp$      | L            |     |          | Ц              | Silver, Dissolved   | UG/L           | 0                    | 1         | 0  | 7   | 5    | L      |   |          |            |              |              |
| +                |                       | ┵            | Ŀ            |     |          | Ш              | Sodium, Dissolved   | MG/L           | 0                    | 0         | 9  | 3   | 0    | L      |   |          |            |              | $\prod$      |
| X                |                       | $\perp$      |              | X   |          |                | Sulfate, Dissolved (as SO <sub>4</sub> )                            | MG/L           | 0                    | 0         | 9  | 4   | 6    | 4      |   |          |            | $\prod$      | Ι            |
| $\perp M$        | $\perp  ho$           | 1            |              | X   |          |                | Total Dissolved Solids (TDS)  | PPM            | 7                    | 0         | 3  | 0   | 0    | 1      | 9 | 6        |            | floor        | Ι            |
|                  |                       |              |              |     |          |                | Total Organic Carbon (TOC)  | PPM            | 0                    | 0         | 8  | 8   | 0    |        |   |          |            | T            | T            |
|                  |                       |              |              |     |          |                | Total Organic Halogen (TOX)   | UG/L           |                      | 0         |    |     |      |        |   |          | Т          | T            | T            |
|                  |                       |              |              |     |          |                | Toxaphene   | UG/L           | 3                    | 9         | 4  | 0   | 0    |        |   |          | T          | Т            | T            |
|                  |                       |              |              |     |          |                | Turbidity   | NTU            | 0                    | 0         | 0  | 7   | 6    | Γ      |   |          |            | T            | T            |
|                  |                       |              |              |     |          |                | Zinc, Dissolved   | UG/L           | 0                    | 1.        | 0  | 9   | 0    |        | П |          | $\top$     | 1            | T            |
|                  |                       |              |              |     |          |                | 2, 4-D, Total   | UG/L           | _                    | 9         | I  | -   | _    | Γ      | П |          | $\exists$  | $\top$       | T            |
|                  |                       |              |              |     |          |                | 2, 4, 5-TP, Total   | UG/L           | 3                    | 9         | 0  | 4   | 5    | Γ      | П |          |            | $\top$       | T            |
|                  |                       | $\Box$       |              | X   |          |                | Oil and Grease  | M6/L           |                      |           |    |     |      | 1      | • | B        | T          | T            | T            |
| IX               |                       | 1            |              | X   |          |                | Perroleum Hydrocarbons  | MG/L           |                      |           |    |     |      |        | 0 |          | 5          | <u>a</u>     | Ť            |
|                  |                       |              |              |     |          |                |   |                | Г                    | П         |    |     |      | Γ      |   |          | 7          | T            | T            |
|                  |                       |              | П            |     |          | П              |   |                | Γ                    | П         | _  | Г   |      | Γ      | П | $\sqcap$ | $\dashv$   | 十            | †            |
|                  |                       |              |              |     |          |                |   |                | T                    | П         | Г  |     | Г    | Γ      | П | П        | $\top$     | 十            | †            |
|                  |                       |              |              |     |          | T              |   |                | T                    | П         |    |     |      |        | П | П        | $\top$     | +            | †            |
|                  |                       |              |              |     |          |                |   | 1              | T                    | П         |    | Γ   | Г    | Γ      |   |          | $\dashv$   | +            | Ť            |
|                  |                       |              |              | s,  |          |                |   | <del></del>    | 23<br>42<br>55<br>64 | نب        | _  | -   | 11   | 34     |   |          | 1.         |              | <del></del>  |

ATTACHMENT 7-38

## AL PARAMETER SERVICE S

### GROUND WATER ANALYSIS -- MONITORING WELL REPORT

| FACILITY N   | AME   |   | LLPOINT PEN  | •                                   | SW ID NO.                                    |                      |
|--|---|---|--|-------------------------------------|--|----------------------|
| LAS NAME   |   |   | scific Corp.   |                                     | J. 15 NO.                                    |                      |
|  | 7   | incet   | on Testina   |                                     |  |                      |
| THE SCHE   | NJO D   | D & B   | WELL PERMIT NO.  | 890707<br>15 TO LILL                | NI LAS CERT, NO.                             | WOM USE              |
|  |   |   | SUBJUT WITH SI   | GNED T-YWX-014                      |  |                      |
| SAM  | PLING MOI   | NTHE  |  | •                                   |  |                      |
| 1111   | 1111  | 1 3 3 1   | ANALYSIS   | UNITE                               | PARAMETER                                    | VALUE                |
| $X \mid X$   | TM  | IM  | Elevation of top of well casing win<br>(as specified in well completion re | th cap off feet MSL: to nearest .01 |  | 1.04                 |
| XX   | M   | M   | Elevation of original ground level<br>(as specified in well completion re  | feet MSL:                           | 8  |                      |
| MIX  | M   | M   | Depth to water table from top of   | casing prior to feet: to            | 828407                                       | 15                   |
|  |   | T M   | sempling with cap off Depth to water table from origina                    | •                                   | 7 2 0 1 9 4                                  |                      |
| A + A  | <del>                                      </del> | <del>                                      </del> | prior to sampling Arsenic, Dissolved                                       | neerest .01                         | ╉╅┼┼┼┼                                       | .62                  |
|  | +   | ╂┼┼   | Barium, Dissolved  | UG/L as As                          | 01000  |                      |
|  | <del></del>                                       |   | Biochemical Oxygen Demand • 5 (  |                                     |  |                      |
|  |   |   | Cadmium, Dissolved   | UG/L as Ca                          | 0 0 3 1 1 0                                  |                      |
| $\sqrt{1}$   |   | M   | Chloride, Dissolved  | UG/L at Ca                          | ╼╋╼┿╼┿╼┿╾╂╾╏                                 |                      |
| V V  |   |   | Chromium, Dissolved  | UG/L a Cr                           | 01030<                                       | 600                  |
| XI X   | 1 121   |   | Chromium, Dissolved, Hexavelent  | UG/L at Cr                          | 01220<                                       |                      |
|  | † { }   |   | Chemical Oxygan Demand (COD)   |                                     | 00341  | 20                   |
|  | +++   |   | Caliform Group   | N/100 ML                            | 74056  |                      |
|  |   |   | Color  | Pr · Co                             | 00080  |                      |
| ++++   |   |   | Copper, Dissolved  |                                     | 01040  | ╼╉╼╪╌╬╼╂╼┤           |
| 1111   |   |   | Cyanide, Total   | MG/L at CN                          | 00720  | ╼╂═╂╌╂╌╂╌╏           |
|  |   |   | Endrin, Total  | UG/L                                | 3 9 3 9 0                                    | ++++                 |
| <del>-                                      </del> | <del>†      </del>                                |   | Fluoride, Dissolved  | MG/L m F                            | 00850  |                      |
| 1111   |   | <del>                                     </del>  | Gross Alphe, Dissolved   | Pe/L                                | 0 1 5 0 3                                    |                      |
| <del>++++</del>                                    |   | ╁╌┼╌╂╾╉   | Gross Betz, Dissolved  | Pe/L                                |  | ╼╂╼╂╌╂╼╂╌┨           |
| ++++   | +   | ╂┼┼┼  | Hardness, Total as CaCOa   | <del></del>                         | 03503  |                      |
| ╼┼╌┼╌┼╌┼   |   | ╂╌╂╌╂   | Iron, Dissolved  | MG/L                                | 0 0 9 0 0                                    | <del></del>          |
| X X  |   |   | Lead, Dissolved  | UG/L as Fe                          | 0 1 0 4 6                                    | <del></del>          |
| <del>\                                    </del>   | <del>         </del> -                            | <del>         </del>                              | Lindane, Total   | UG/L as Po                          | 010492                                       |                      |
| ++++   | +++   | ┞╼╂╼╂╼╏   |  | UGAL                                | 3 9 7 8 2                                    |                      |
| ╅╅   | +++   |   | Manganese, Dissolved   | UG/L                                | 0 1 0 5 6                                    |                      |
|  |   |   | Mercury, Dissolved   | UG/L                                | 7 1 8 9 0                                    |                      |
| VALUE C  |   |   |  |                                     | 29 23 34<br>42 44 47<br>86 50 60<br>66 72 73 | 40<br>53<br>66<br>78 |

ATTACHMENT I-19

### " QUALITY MANAGEMENT ELEMENT

### GROUND WATER ANALYSIS - MONITORING WELL REPORT

|        | LIT             |              |                         |              |               |           |     |                |            | POINT PEN   |                | 5W                   | 10           | NO  | •  | _   |    |              |    | _        |          |   |    |
|--------|-----------------|--------------|-------------------------|--------------|---------------|-----------|-----|----------------|------------|---|----------------|----------------------|--------------|-----|----|-----|----|--------------|----|----------|----------|---|----|
| AB I   | NAN             | al .         |                         | <u> </u>     | $\frac{1}{2}$ | eo        | rg  | <del>1</del> = | -P         | acific Corp.  |                | <u> </u>             |              |     |    |     |    |              |    |          |          |   |    |
|        |                 |              |                         | 7            | 4             | <u>'V</u> | (e  | 立              | $^{\circ}$ |   | <u> </u>       |                      | -            |     |    |     |    |              |    |          |          |   |    |
|        |                 |              |                         |              | R             | LJP(      | DES | N              | 0.         | SAMPLI<br>WELL PERMIT NO. YE.   M                                   |                | NJ L                 | .48          | CI  | RT | . N | Ο. |              |    | <b>.</b> | OM       | US  |    |
|        | S               |              | N                       | 40           | 10            | 10        | 4   | 6              | 6          |   | 17017          | П                    | 1            | 7   | 1  | R   | ]  |              |    |          | Γ        | 7   | _  |
|        | -               |              |                         | 1            |               |           |     |                |            | 16 17   | 88             | Ħ                    | <u></u>      | 1/_ | м_ | 1   | 7  |              |    | L        | 7        | <u>L.                                    </u> |    |
|        |                 |              | <b>-</b>                |              |               |           |     |                | <b></b> -  | Monitoring Well No. MW-5 wis to se osserved from House to           | 1.1.1          |                      |              |     |    |     |    |              |    |          |          |   |    |
| TH     | <b>E S</b> C    | HE           | סטנ                     | ,E IP        | IDI           | CA        | TEC | ) 81           | ELO        | W IS TO BE OBSERVED FROM MO. YE. TO                                 | MO. TR.        |                      |              |     |    |     |    |              |    |          |          |   |    |
|        |                 |              |                         |              |               |           |     |                |            |   | <b>A1</b> 4    |                      |              |     |    |     |    |              |    |          |          |   |    |
|        |                 |              |                         |              |               |           |     |                |            | SUBMIT WITH SIGNED T- YWX-  | 014_           |                      |              |     |    |     |    |              |    |          |          |   |    |
|        | _               |              | LIN                     |              |               |           |     |                |            |   |                |                      |              |     |    |     |    |              |    |          | •        |   |    |
| 1      | į               | į            |                         | İ            | 1             | 1         | ğ   | į              | į          | ANALYSIS -  | UNITS          | ₽.                   | AR.          | AM  | ET | ER  |    |              | V  | AL       | UE       |   |    |
|        | П               | T            | T                       | T            | Γ             |           |     |                |            | Methoxychior, Total   | UG/L           | 3                    | 9            | 4   | 8  | 0   | T  | Τ            | Τ  |          |          | Ť   |    |
| Г      |                 | 7            | $\top$                  | T            |               |           |     |                |            | Methylene Blue Active Substances                                    | MG/L           | -                    | 8            | +-  | +- | +-  | +- | $\dagger$    | t  | T        | Н        | -   |    |
|        |                 | X            | T                       | X            | Τ             |           | X   |                |            | Nitrogen, Ammonia, Dissolved NH <sub>8</sub> + NH <sub>4</sub> as N |                |                      |              | _   | _  | _   | _  | to           | 1. | li       | 0        | _   |    |
|        | П               |              | T                       |              |               |           |     |                |            | Nitrogen, Nitrate, Dissolved  | MG/L as N      |                      | 0            | _   | _  | _   | _  | Ť            | Ť  |          | Ĭ        | $\dashv$                                      |    |
|        |                 |              |                         |              |               |           |     |                |            | Odor  | T.O.N.         | ━                    | 0            | -   | -  | -   | T  | T            | T  | Γ        | П        |   | _  |
|        |                 | X            | Γ                       | X            |               |           | X   |                |            | pH  | Standard Units | _                    | _            | -   | -  | -   | -  |              | 4  | T        | П        | $\exists$                                     | _  |
|        |                 |              |                         |              |               |           |     |                |            | Phenois, Total Recoverable  | UG/L           | _                    | _            |     | 3  | _   | _  | T            |    | Γ        | П        | 7   | _  |
|        |                 |              |                         |              |               |           |     |                |            | Radium 226, Dissolved   | Pc/L           | 0                    | 9            | 5   | 0  | 3   | T  | T            | Γ  |          |          |   | _  |
|        |                 |              | L                       |              |               |           |     |                |            | Radium 228, Dissolved   | Pc/L           | 8                    | 1            | 3   | 6  | 6   | Ι  | Ī            |    |          |          |   | _  |
|        |                 |              | $oldsymbol{\mathbb{L}}$ |              |               |           |     |                |            | Selenium, Dissolved   | UG/L           | 0                    | 1            | 1   | 4  | 5   | Γ  | Τ            |    | Γ        |          |   | _  |
| _      |                 | $\perp$      | $\perp$                 |              |               |           |     |                |            | Silver, Dissolved   | UG/L           | 0                    | 1            | 0   | 7  | 5   |    |              |    |          |          |   | _  |
| $\Box$ | $\perp$         |              |                         | L            | Ш             |           |     |                |            | Sodium, Dissolved   | MG/L           | 0                    | 0            | 9   | 3  | 0   |    |              |    |          |          |   |    |
| _      | _}              | 1            | $\perp$                 | X            |               |           | X   |                |            | Sulfate, Dissolved (as \$O <sub>4</sub> )                           | MG/L           | 0                    | 0            | 9   | 4  | 6   | 2  | 9            |    |          |          |   |    |
|        | _2              | 1            |                         | X            |               |           | X   |                |            | Total Dissolved Solids (TDS)  | PPM            | 7                    | 0            | 3   | 0  | 0   | I  | 7            | 9  |          |          |   | _  |
|        | $\perp$         | $\perp$      |                         |              |               |           |     |                |            | Total Organic Carbon (TOC)  | PPM            | 0                    | 0            | 8   | 8  | 0   |    |              |    |          |          |   |    |
| _      | $\bot$          | $\downarrow$ | $\perp$                 | Ц            |               |           | _   |                |            | Total Organic Halogen (TOX)   | UG/L           | _                    | 0            |     | _  | _   | _  |              |    |          |          |   | _  |
| 4      | $\perp$         | $\downarrow$ |                         | Ц            |               |           |     |                |            | Toxaphene   | UG/L           | 3                    | 9            | 4   | 0  | 0   |    |              |    |          |          |   |    |
| 4      | _               | $\downarrow$ | $\downarrow$            |              |               |           |     | _              |            | Turbidity   | NTU            |                      | 0            |     |    |     |    |              |    |          |          |   |    |
| 4      | 4               | $\downarrow$ | 1                       |              |               |           | _   | _              | _          | Zinc, Dissolved   | UG/L           | _                    | 1            | _   | -  | •   | -  |              |    |          |          |   |    |
| 4      | 4               | 4            | $oldsymbol{\perp}$      |              |               |           |     | _              |            | 2, 4-D, Total   | UG/L           |                      | 9            |     |    |     |    | $oxed{oxed}$ |    |          |          |   |    |
| 4      | $\perp$         | +            | ↓                       |              |               | 4         |     | 4              | _          | 2, 4, 5—TP, Total   | UG/L           | 3                    | 9            | 0   | 4  | 5   | _  | $\perp$      | L  |          | Ц        | _   |    |
| ᅷ      | <del>-</del>  } | <u>\</u>     | ╀-                      | X            |               | 4         | X   | _              | 4          | Oil and Grease  | MG/L           | $\perp$              | L            | L   | L  | L   |    |              | 5  |          | Ц        | _   |    |
| +      |                 | 4            | $\downarrow$            | X            |               | _,        | Ц   | _              | _          | Petroleum Hydrocarbona  | MG/L           | $\downarrow$         | L            | L   |    | L   | ⊻  | 10           | •  | 5        | 0        | _   | -  |
| 4      | 4               | 4            | +                       | $\vdash$     |               | 4         | _   | 4              | _          |   |                | $\bot$               | L            | L   |    | L   | L  | _            | L  | <u> </u> | Щ        | 4   |    |
| ∔      | 4               | +            | +                       | $\vdash$     |               | 4         | 4   | 4              | 4          |   |                | 1                    | $oxed{\bot}$ | L   | L  | L   | 1  | 1            | _  |          | Щ        | _   | _  |
| +      | +               | +            | +-                      | $\mathbb{H}$ |               | _         | 4   | _              | 4          |   |                | $\perp$              | _            | L   | _  | _   | Ļ  | Ļ            | Ļ  | _        | $\sqcup$ | _   |    |
| +      | +               | +            | +                       | $\vdash$     |               | _         | 4   | 4              | _          |   |                | 1                    | _            |     | L  | L   | Ļ  | $\downarrow$ | Ļ  | <u> </u> | $\sqcup$ | _   |    |
|        |                 | 1.           | 上                       | Ш            |               | _[        |     |                |            |   | L              | 1                    |              | L   | L  | Ļ   | Ļ  | L            | 1_ |          | Ш        |   | T  |
| AI     | LUE             | CC           | DII                     | NG           | Ru            | ILE       | S A | \N             | ם          |   |                | 29<br>42<br>58<br>68 |              |     |    | 44  | 3: | į            |    |          |          |   | 5: |

ATTACHMENT 140

ATTACHMENT J



# State of New Jersey DEPARTMENT-OF ENVIRONMENTAL PROTECTION

DIVISION OF WATER RESOURCES

TRENTON, NEW JERSEY 08625

GEORGE G. McCANN, P.E.

WATER QUALITY MANAGEMENT

DIRK C. HOFMAN, P.E DEPUTY DIRECTOR

Mr. J.E. Savage, Plant Manager Georgia-Pacific Corporation P.O. Box 338 Delair, NJ 08110 CERTIFIED MAIL
RETURN RECEIPT REQUESTED

JAN 13 1987

Dear Mr. Savage:

Re: Issuance of NJPDES Permit NJ0004669

Enclosed is the final NJPDES Discharge to Ground Water Permit issued in accordance with the New Jersey Pollutant Discharge Elimination System Regulations, N.J.A.C. 7:14A-1 et seq. Violation of any condition of this permit may subject you to significant penalties.

Within 30 calendar days following your receipt of this permit, under N.J.A.C. 7:14A-8.6 you may submit a request to the Administrator for an adjudicatory hearing to reconsider or contest the conditions of this permit. Regulations regarding the format and requirements for requesting an adjudicatory hearing may be found in N.J.A.C. 7:14A-8.96 through 8.13. The request should be sent to:

Administrator Water Quality Management Element Division of Water Resources CN-029 Trenton, New Jersey 08625

Applications for renewal of this permit must be submitted at least 180 days prior to expiration of this permit pursuant to N.J.A.C. 7:14A-2.1 (f) 5.

The following represents the Department's response to comments submitted to the Department during the public comment period for the draft permit.

1. Georgia-Pacific contends that the placement of monitoring wells in the locations specified in the draft permit may not produce meaningful data because, since the original DGW

ATTACHMENT

### Let's protect our earth



### STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION CN 402

Trenton, N.J. 08625



#### **PERMIT**

|   |   | 1D -ttion one   | nts this permit in accord                            | ance with             | ı vour applicati                 | on, attachments                    |
|---|---|---|--|-----------------------|----------------------------------|------------------------------------|
| The New Jersey Department accompanying same applications enumerated | of Environmion, and applications of the support | nental Protection gra-<br>plicable laws and reg<br>orting documents whi | gulations. This permit is ich are agreed to by the p | s also su<br>ermittee | bject to the fu<br>upon acceptar | rther conditions ce of the permit. |
| and stipulations enumerated   | Issuance Dat                                    | te 12-16-83   | Effective Date 2-1-84                                |                       | Expiration Date                  | •                                  |
| Permit No.  | l .   | <del></del>   | Revised 3/1/87                                       |                       | 1-31-89                          |                                    |
| NJ# 0004669   | Revised   | 1/16/87   | J 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1              | Name an               | d Address of Own                 | ner                                |
| Name and Address of Applicant                                       | !   | Location of Activity/F  |  |                       |                                  |                                    |
| Georgia-Pacific Corpo<br>133 Peachtree St., N.<br>Atlanta, GA 30303 | ration  | Georgia-Pacifi<br>Delair, Pennsa<br>Camden County                       | auken Township                                       | SAME                  | AS APPLICAN                      |                                    |
| Issuing Division  |   | Type of Permit NJPI   | Statute(s) Application No.                           |                       |                                  |                                    |
| WATER RESOURCES   |   | Major Modifica  | tion of NJPDES/DSW                                   | 58:10                 | A-l et.seq.                      |                                    |

### This permit requires:

Georgia-Pacific Corporation to monitor actual or potential discharges to ground waters of the State according to the terms and conditions of this NJPDES permit. Discharges are via a lined, aerated treatment lagoon.

This NJPDES/Discharge to Ground Water (DSW) permit is a major modification of an existing NJPDES/Discharge to Surface Water (DSW) permit; the requirements of the DSW portion of this permit are not being modified by this action.

Approved by the Department of Environmental Protection BY AUTHORITY OF: GEORGE G. McCANN, P.E., DIRECTOR DIVISION OF WATER RESOURCES

ARNOLD SCHIFFMAN, ABMINISTRATOR WATER QUALITY MANAGEMENT

# FACT SHEET FOR THE NJPDES PERMIT TO DISCHARGE INTO THE GROUND WATERS OF THE STATE

ing the real transfer to the term

### Name and Address of Applicant:

Georgia-Pacific Corporation 133 Peachtree Street, N.E. Atlanta, GA 30303

### Name and Address of Facility Where Discharge Occurs:

Georgia-Pacific Corporation Delair, Pennsauken Township Camden County, New Jersey

### Receiving Water:

Ground waters of the State. Discharge is to the Pleistocene Pennsauken Formation and the Raritan-Magothy Aquifer of Cretaceous age.

### Description of Facility:

The facility manufactures gray and ivory paperboard from recycled fibers. Process wastewater and stormwater runoff is discharged to a primary clarifier after screening. Approximately 95% of the effluent from the primary clarifier is then recycled back to the plant. The remaining effluent is discharged to a lined, aerated stabilization lagoon, then to a secondary clarifier, with ultimate discharge to the Delaware River. A second lagoon on the property has deteriorated and is not in use at present. Sludge from both clarifiers is recyled back to the pulper. Georgia-Pacific plans to install an above-ground aeration tank on the site of the second lagoon and use this as the primary treatment cell. The lined lagoon will then be reduced in size and used for stormwater surge overflow.

### Description of Discharge:

An average .18 MGD of secondary treated process wastewater and stormwater runoff is discharged to a 2 million gallon aerated lagoon with a synthetic liner. When the above-ground tank is installed for use as the primary treatment cell, flow to this lagoon will consist of stormwater surges from the aeration tank.

### Permit Conditions:

According to the attached General and Specific Conditions.

ATTACHMENT 3-3

ATTACHMENT K

#### ÷. 001

# STATE OF NEW JERSEY Department of Environmental Protection Water Analysis

| Marray.   | Department of Environmental Protection    | BACT. LAB NO.                                    |
|---|---|--|
| TYPE OR PRINT DRBC                                    | Water Analysis                            | DATE REC'D.                                      |
| COUNTY  | CANDEN BELAWARE RIVE                      | BOTTLE NO. 41083                                 |
| Delaire Del   | Pausse Rd.                                |  |
| TATIVE hour designation of the Co.                    | TONY ALTIERI                              | 203 ENT.   |
| COUTEAU DENOOLETE                                     | WENT 24HR. GAIP. 1                        | STORET READ                                      |
| TEMP + PH GRAD  |   |  |
| Palar a   | YR. MO. DAY HOUR                          | Sample No.                                       |
| Station Identification Number                         | 860311 1210.                              | (1) P 8 , , ,                                    |
| 1 E   | BACTERIOLOGICAL - DILUTIONS (REQUESTED)   |  |
| FIELD ANALYSIS  | Fecal Coliform -1-2-3-4-5-6               | pH (LAB) (39) P00403.                            |
| (2) 200010. 140.                                      | Total Coliform                            | ☐ as CaCo <sub>3</sub> (40) P00410.              |
| **C. '-'  | Fecal Streptococci 10 1 10 10 10 10 10 10 | ☐ Min. Acidity as CaCo <sub>3</sub> (41) P00436. |
| Probe (4) P00299.                                     | Fecal coli                                | Chloride (42) P00940.                            |
| (4) P00233.   | #100 ml  MF (25)P31613                    | ☐ MBAS (43) P38260,                              |
|   | Fecal Strept (26)P31677                   | Phenois (44) P32730,                             |
| (7) P00061  | MPN/100ml (28)F3107                       | Hardness - tot (45) P00900,                      |
|   |   | Sulfate (46) P00945.                             |
|   | Tot coli (27)P31505.                      | Oli & Grease (47) P00555,                        |
| Cond.<br>19°C (9)P00095.                              | BIOCHEMICAL OXYGEN DEMAND                 | Petroleum Hydrocarbons(48) P45501.               |
|   | INITIAL O.O. (186.) O . SAMPLE            | ☐ Cyanide (49) P00720,                           |
| \$upe (11)P70211,                                     | SEED YES NO                               |  |
| CONDITION CODES                                       | conc. 1 2 5                               | As - tot ug/1 (50) P01002                        |
| ther (12) P00041.                                     | BOD_ +                                    | Cd - tot ug/l (51) P01027,                       |
| Severity (13) P01351,                                 | 5-DAY(28) P310. 462                       | Cr - tot ug/1 (52)P01034                         |
| Severity (14) P013                                    | MBOD 5-DAY(28) P310. 462                  | ☐ Cu - tot ug/I (53) P01042.                     |
| Severity (15) P013                                    |   | Fe - tot ug/l (54) P01045                        |
| ii.   | □ COD (30) P340.                          | ☐ Hg - tot ug/l (55) P71900                      |
| NUTRIENTS   |   | Mn - tot ug/i(56) P01055                         |
| LIVEL HIGH LOW  | □ TOC (31) P00680.                        | □ Ni - tot ug/l (57) P01067.                     |
| N (16)P00615  | ☐ Color Pt - Cou (32)P00080,              | DE Pb - tot ug/1 (58) P01051. / 3                |
| 2 • NO3 - N (17)P00630                                | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\    | Zn - tot ug/1 (59) P01092. 8 9                   |
| N (18)P00610  | Turbidity (33)P00076,                     | ADDITIONAL ANALYSIS                              |
| XJeldani N (19)P00625                                 | Suspended Solids (34)P00530. 150          | 6CBOD - 2984                                     |
|   | Suspended Solids (35)P00540,              | P  |
| PO (20) P70507. [ [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] | , Tot. Solids (36)P00500.                 |  |
|   | ☐ Tot. Solids - Ash (37)P00510,           | Flow D.254 MGD                                   |
| (22) P00665.<br>(23) P00650.                          | , Cat. Dissolved (38)P70300, Solids (TDS) |  |
| 74.1  |   | TEPORT SUBMITTED                                 |
|   |   |  |

RESULTS mg/l unless otherwise noted

Chemist Review \_\_\_\_

ΔPD 25 1986

| DELAIR   | STATE OF NEW JERSEY  Department of Environmental Protection  Water Analysis  BACT. LAB NO.  DATE REC'D.  BOTTLE NO.  HANDLE P. COLOR P. COLOR P. C. C. C. C. C. C. C. C. C. C. C. C. C.                        | 084                                   |
|--|--|---------------------------------------|
| REPRESENTATIVE TO A STATE OF THE PRESENTATIVE  | KEN AT NO. *   SUMP  |                                       |
| Station Identification   | Number YR. MO. DAY HOUR Sample No.   |                                       |
| FIELD ANALYSIS  Water Temp. °C. (2) P00010, 300  D.O. · Winkler(3) P00300,   | BACTERIOLOGICAL - DILUTIONS (REQUESTED)  |                                       |
| CONDITION CODES  | SEED YES [ NO ] Cyanide (49) P00720. CONC. % . Z . 5 1.0   | · · · · · · · · · · · · · · · · · · · |
| ☐ Weather Conditions       (12) P00041,         ☐ Flow Severity       (13) P01351,         ☐Severity       (14) P013         ☐Severity       (15) P013 | Gd - tot ug/l (51)P01027,   Cd - tot ug/l (51)P01027,   Cr - tot ug/l (52)P01034,   Cr - tot ug/l (52)P01034,   Cu - tot ug/l (53) P01042,   Cu - tot ug/l (53) P01042,   CD   CD   CD   CD   CD   CD   CD   C | ,                                     |
| NUTRIENTS  LEVEL   HIGH   LOW  | Hg - tot ug/l (55) P71900  |                                       |
| NO <sub>2</sub> - N (16)P00615,  | Color Pt - Cou (32)P00080, Pp - tot ug/l (58) P01051 2 1   | 95                                    |
| Ortho- PO <sub>4</sub> as PO <sub>4</sub> (20) P70507. Phosphorus-   | Suspended Solids (35) P00540.       CBOD   | 400                                   |
| tot as P (22) P00665, P00650, (23) P00650,   | Tot. Dissolved (38)P70300, P   | -                                     |

Chemist Review

Part 1 (White) - Water Quality Inventory Copy Part 2 (Canary) - Laboratory Copy

RESULTS mg/l unless otherwise noted

Part 3 (Pink) - Laboratopie MISTRY LABORATER Part 4 (Goldenrod) - Field Samples Copy

ΔPR 2.5 1986

| Andrea de la companya | · ·                                       |  |
|--|---|--|
| Form VST- 001  | STATE OF NEW JERSEY                       |  |
| 7/81   | Department of Environmental Protection    | • • •  |
| PLEASE TYPE OR PRINT WITH BALLPOINT PEN DRBC   | Water Analysis                            | BACT. LAB NO.                                    |
| MUNICIPALITY DELAIR COUNT  | CAMDEN DELAWARE RIN                       | DATE REC'D.                                      |
| GEORGIA - PACIFIC LOCAT  |   | BOTTLE NO. 4/085                                 |
| REPRESENTATIVE   | A LEGITARIAN COLL NAME A LANGE            | DATE REC'O.                                      |
| REMARKS RIVER LIGHTER IN   | TAKE 24 HE COMP.                          | ENT  |
| TEMP. YOH GRA  |   | 10D STORET READ                                  |
|  |   |  |
| Station Identification Numb  | er YR, MO, DAY HOUR                       | . Sample No.                                     |
| s c, WT0004669   | 860311 1130.                              | (1)   P   8   ,                                  |
| FIELD ANALYSIS   | BACTERIOLOGICAL - DILUTIONS (REQUESTED)   |  |
|  | Fecal Coliform   -1 -2 -3 -4 -3 -6        | □ pH (LAB) (39) P00403.                          |
| Temp. °C. (2) P00010.  | Total Coliform 10 1 10 10 10 10 10 10     | ☐ as CaCo <sub>3</sub> (40) P00410.              |
| □ D.O Winkler(3) P00300,   | Fecal Streptococci 10 , 10 10 10 10 10 10 | ☐ Min. Acidity as CaCo <sub>3</sub> (41) P00436, |
| □ D.O Probe (4) P00299,  | Fecal coli                                | ☐ Chloride (42) P00940,                          |
| TPH (Fleid) (5) P00400, 7//  | #100 ml  MF (25)P31613.                   | ☐ MBAS (43) P38260                               |
| Semple Oepth-ft. (6) Pooda3,   | - 5 5                                     | Phenois (44) P32730.                             |
| Stream (7) P00061,   | Fecal Strept (26)P31677, MPN/100ml        | Hardness - tot   P00900,                         |
| Gage Height-ft. (8)P00065  |   | Sulfate (46) P00945.                             |
| Spec. Cond.  | ☐ Tot coli (27)P31505.                    | ☐ OH & Grease (47) P00556,                       |
| Salinity 0/00 (10 )P00480,   | BIOCHEMICAL OXYGEN DEMAND                 | Petroleum Hydrocarbons(48) P45501,               |
| ☐ Tide Stage (11)P70211.   | INITIAL D.O. (1ab.) S. L SAMPLE           | I  |
|  | SEED YES NO                               | ☐ Cyanide (49) P00720.                           |
| CONDITION CODES  | conc. 25 50 75                            | ☐ As - tot ug/l (50)P01002                       |
| □ Weather Conditions (12) P00041.  |   | Cd - tot ug/1 (51) P01027,                       |
| ☐ Flow Severity (13) P01351,   | 800_                                      | Cr - tot ug/l (52)P01034.                        |
| Severity (14) P013   | 5-0AY(28) P310. 3 . 1 J                   | Cu - tot ug/1 (53) P01042                        |
| Severity (15) P013   |   | ☐ Fe - tot ug/l (54) P01045.                     |
| NUTRIENTS  | □ COD (30) P340.                          | ☐ Hg - tot ug/i (55) P71900                      |
| LEVEL   HIGH   LOW   |   | ☐ Mn - tot ug/l(56) P01055.                      |
| □ NO2 - N (16)P00615   | □ TOC (31) P00680.                        | □ NI - tot ug/l (57) P01067                      |
| □ NO <sub>2</sub> • NO <sub>3</sub> • N (17)P00630   | □ Color Pt - Cou (32)P00080.              | 1 Po - tot ug/l (58) P01051. 26                  |
| □ NH3 - N (18)P00610   | ☐ Turbidity (33)P00076.                   | Zn - tot ug/ (59) P01092. 97                     |
| Tot. Kjeldahi N (19)P00625   | Suspended Solids (34) P00530, 7           | ADDITIONAL ANALYSIS                              |
| ,  |   | CBOD _ C.IIK                                     |
| Ortho-<br>PO. as P (20) P70507,  | Suspended Solids(35)P00540,               |  |
| PO <sub>4</sub> (21) P00660,   | ☐ Tot. Solids (36)P00500,                 |  |
| Phosphorus-  | ☐ Tot. Salids - Ash (37)P00510.           |  |

RESULTS mg/I unless otherwise noted

APR 25 1986

Chemist Review

Part 3 (Pink) - Laboratory CHEMISTRY LABORATORY
Part 4 (Goldenrod) - Field AMPIA CHMENT

Tot. Dissolved
Solids (TDS)

|         | F  | orm<br>ev. | T≇<br>3/8: | /WX-013  | NEW JERSEY DEPAR<br>DIVIS    | RTN<br>SIC | MENT OF ENVIRO<br>ON OF WATEF: RE                | NMENTAL P<br>SOURCES                             | ROTEC  | CHOLE  | C            | ROUSE :  |
|---------|--|------------|------------|--|------------------------------|------------|--|--|--|--|--------------|--|
|         | PED  | ZW         | 51         | RGIA PACIFIC<br>NIPDES NO. DIS<br>AUKEN, CAMBEN CON<br>11014161619 | COLP<br>SCHARGE R<br>ID. Mo. | SA<br>REI  | MPLINIG PERIOD  MO.  MO.  17 THRU 15             | )<br>YR.   | [3]  | NJDEP<br>USE                                     | <i>\$</i> 2  | NEW JERSEY LABORATORY CERT. NO.  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|         |  |            |            | PARAMETER  | INFLUENT<br>CONC.            |            | EFFLUEN<br>MILLIGRAMS                            |  | :  | •  |              | LOADING<br>S PER DAY   |
| 8 .     |  |            |            | DESCRIPTION  | PER LITER<br>AVERAGE         |            | AVERAGE  | MAXIMU   | - i  | AVERAGE  | 56           | MAXIMUM<br>57 63   |
|         | 7  | 26         | _          |  | 28 35                        | 36         | 42   | 43   | 49   | 50   | -20          | 9/ 69  |
| _       | ŀ  | 1/         | +          | BOD <sub>s</sub>   |                              | #          | <del>                                     </del> |  | -/-  | \ <u> </u>                                       | +            | 11112/1  |
| 1       | $\downarrow$   | 1 [        | -+-        | COD  | 77.77.14                     | ╁          | <del>\                                    </del> |  | 1/1  | \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\           | † †          |  |
|         | X  | 1 0        | -          | Total Dissolved Solids   | 1777.                        | ╁          | <del>                                     </del> | 1 1 1 -  | /  | · \  | $\dashv$     | 111/01   |
|         | ٠.   | _          | _          | Total Suspended Solids   |                              | ╁          |  |  | 1  |  |              |  |
| خ       | X  | 1          | -          | Chlorine   |                              | 1          | <del>                                     </del> |  | 1 -1 - 1   |  |              | 111/101  |
| -       |  | 1          | -+         | Total Organic Carbon   |                              | ╁          |  | <del>                                     </del> |  |  | 1            | 1 1 1/1 0 1  |
|         |  | 1          | -          | Total Dissolved Carbon   |                              | ╁          | <del>                                     </del> | 1 / -  | +++  |  |              | 1 1/1-1 - 1  |
| ,       |  | 1          |            | Total Nitrogen   |                              | +          | 11-1-  |  | 1 1  | 1 1 1 1 -  |              | 1 1/1 1 0 1  |
| √       | X  | 1          | 4          | Ammonia Nitrogen   |                              | ╁          |  | 1/.  | <del>                                     </del> |  |              | 1/1 1 1 2 1  |
|         |  | 1          | ١          | Nitrate Nitrogen   | 1111-11                      | ╁          | 111.   | 1/1  |  | 1 1 1 1  | -1           |  |
| ■ .     |  | 1          | _          | Total Phosphorus   |                              | ╀          | 11-1-1   |  |  | 1 1 1 1  | 1            | /  |
| _       | X  | 1          | =+         | Oil & Grease   | 1 130.11                     | +          | 111•11   | <del>/       •</del>                             |  | <del>                                     </del> |              |  |
| ✓       | BALL   |            | -+         | Petroleum Hydrocarbons   | 1 1 1 3 - 2 1                | +          | <del></del>                                      | 1  |  |  |              | <u> </u>   |
| •       | / PE   | -          | -          | Aromatic Hydrocarbons  | <u> </u>                     | +          | <u> </u>   | 1  |  |  | <u>. I /</u> | <u> </u>   |
|         | ) BY   | 1          |            | Chlorinated Hydrocarbon  | <u> </u>                     | +          | 111•11   | •  | 1  | <del>                                     </del> |              | <u> </u>   |
|         | REGUIRED   | 1          |            | Phenols (Total)  | 111-1                        | +          |  | 111-   |  |  | <u> </u>     |  |
|         | 120  | 1          | ⁰          | Cyanide (Total)  | 1111-                        | +          | <del></del>                                      | <del>                                     </del> |  | <del></del>                                      | <u> </u>     |  |
|         | RE   | 1          | R          | Aluminum   | 1111                         | 4          | 1110/11  | <del>                                     </del> | <u> </u>   | <del>                                     </del> |              | \  |
|         | AS   | 1          | s          | Arsenic  | 1111-11                      | +          | <del>                                     </del> | 11.  | 7_1_   |  |              |  |
| _       |  | _          | _          | Cadmium  | 111011                       | 4          |  | <del>                                     </del> | <u> </u>   | <del>                                     </del> |              |  |
| $\prec$ | $\times$   | 1          | U          | Chromium (Total)   | 11114.0021                   | 4          | 11/•   | 1110   | ــــــــــــــــــــــــــــــــــــــ           | <del>                                     </del> |              |  |
|         |  |            |            | Cobalt   | 1111.                        | 4          | <u> </u>   | <del>                                     </del> | سلله   | 1111-  | <u> </u>     | <del>                                     </del>                       |
|         | ,]   | ⊢          | _          | Copper   | 1111011                      | 4          | 1 // • 1 1                                       | <del>                                     </del> | <del>\</del>                                     | <del>                                     </del> |              |  |
| V       | $'$ $\!$ | 1          | -          | Lead   | 1110141                      | 4          | <del></del>                                      | 1111   | 1/1  |  | <u> </u>     |  |
| _       |  | 1          |            | Mercury  | 1111011                      | 4          | <u> </u>   | <del>                                     </del> | <del></del>                                      |  |              |  |
|         |  | -          |            | Nickel   |                              | 4          | <del>- </del>                                    | <del>                                     </del> | <u> </u>   | <del>                                     </del> |              |  |
|         |  | -          | ┿          | Silver   | 1111-11                      | 4          | <del>/                                    </del> |  | خلت  |  | <u></u> _    |  |
| _       |  | 2          | В          | Zinc   | 90                           | -          | <u> </u>   | ++++   | 4  |  | <u> </u>     |  |

WHERE'S CHOINGS DATA.

DISCHARGER NAME Georgia-Pacific Corp.

111315.

LAB NAME Princeton Testino

Form T-)/WX-013 A Page 2 of 3

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PR SCTION DIVISION OF WATER RESOURCES

INDUSTRIAL FACILITY WASTEWATER REPORT

**NEW JERSEY** 

ATTACHMENT K-S

|                | NJPDES NO.       | DISCH/       |                      | MO.            | efilpliks<br>Heporting P<br>Vr. |                   | YR.           | :              | NJDEP<br>USE                                     | LABORATORY<br>CERT. NO.                          |
|----------------|------------------|--------------|----------------------|----------------|---------------------------------|-------------------|---------------|----------------|--|--|
| 0              | 01014161619      | <u>J</u>     | 01                   | 0,7            | 8/7) THRU                       | 15                | 18            | 19             | 20   | 21 25  |
|                | PARAMETER        |              | INFLUENT<br>CONC.    |                |                                 |                   | IT CON        | 1              | 1  | UENT LOADING<br>GRAMS PER DAY                    |
| 26 27          | DESCRIPTION      | 28           | PER LITER<br>AVERAGE |                | AVERAG                          | E 42              | 1             | AXIMUM<br>! 49 | AVERAGE<br>50                                    | MAXIMUM<br>56 57 63                              |
|                | henyl Phenyl Et  |              | 1 1 14.0             | 11.10          | 111.                            | 1 1               | 1             | 1 - 1 1/       | <u> </u>   |  |
| rvsene         | Henry Land       |              | 1150                 | 1110           | \                               | 1.1               |               | 1.01/1         |  | 1 1 1 1 / 1                                      |
|                | ,H) anthracene   |              | 1 1 14.0             | 1110           | 111.                            |                   | 11            | 1.1            |  |  |
|                | orobenzene       |              | 1 1 1<.0             | 110            | 1                               | 1 1               | 1.1           | 10/11          | 1\1110   | 111/1-1  |
|                | orobenzene       |              | 1114.0               | 1110           | 1                               | 11                |               | 1/011          | 11111  | 111/101  |
| 4-Dichl        | orobenzene       | <del>-</del> | 111<0                | 1110           | 11/1-                           | 1_1_              | 11            | <u> </u>       | 11411  | <u> </u>   |
| ■3'-Dich       | lorobenzidine 20 | 1.BN1        | 1 1 1 < 0            | 1210           | 111                             | 11                | 1 1           | / • 1 1        | 1111   | ·  |
|                | Phthalate Pr     | *            | 111<-0               | 1110           | 1114                            | 11                | 14            | 1.1.           | 11111111   | ·  |
| Dimethy        | Phthalate        |              | 1 14.0               | 110            | 1110                            | 44                | 11            | 1.1            | <del>                                     </del> |  |
| i-n-but        | tyl Phthalate    |              | 114.0                | 7110           | 111.                            | $\lambda$ $\perp$ | <del> /</del> |                | <del>                                     </del> | <u> </u>   |
| 2,4-Din        | itrotoluene      |              | 1114.0               | 1110           | 111-                            | υ                 | 111           | <u></u>        | ┸┸┸  |  |
| 2.6-Din        | itrotoluene      | 11           | 1115.0               | 1110           | <u> </u>                        | <u>ιцХ</u>        |               |                | 111/1-   | •  |
| i-n-oc         | tyl Phthalate    |              | 1 150                | 1110           | 111-                            | <u> </u>          | 111           | <u> </u>       | <del>                                     </del> | • <del>/</del> -                                 |
| 1,2-Dip        | henylhydrazine _ |              | <u>بوللل</u>         | <u>Z</u>       | 111-                            |                   | 1/11          |                | 1111/  | • <del>/ - - - -</del>                           |
| Toxaphe        | ne               |              | 111•                 | <u>⊁</u>       | 1110                            | 11                | 11-1          | <u> </u>       | <del>                                     </del> | <del>(                                    </del> |
| Fluoran        | thene            |              | 11150                | <u> 2110</u>   | 111.                            | 41                | 17            | 1.1.1          | <del>                                     </del> | •\-  |
| Fluoren        | e                |              | 114.0                | 21110          | 1110                            |                   | للل           | 1.1            |  | • \  |
| <u>Hexachl</u> | orobenzene       | 1            | 1114.6               |                |                                 | 11                | 111           | <u>\</u>       | <del>                                     </del> | • \  |
| Hexachl        | orobutadiene     | 1            | 1 1 1 4.0            | )1110          | 7 1 1 /•                        | 11                | للل           |                |  | • 1\\  |
| Hexachl        | orocyclopentadi  | ene          | 11160                | 01710          | 711/0                           |                   | $\perp$       | <u> </u>       |  | •   \  |
|                | oroethane        |              | 1114.0               | 71110          | 2/11/10                         |                   | 4-4-4         | <u> </u>       | 11/11  | •  |
|                | 1,2,3-cd)pyrene  | 1            | 1140                 | <u> </u>       | 11/1•                           | _1_1_             |               | 1-41           | 11/11  | • 1   \  |
| Isophor        | one              |              | اكلت                 | 2171C          | 2 1 1 1 .                       |                   | 444           | <u> </u>       |  | •  |
| Naphtha        |                  | <u>'</u>     |                      | 21/10          |                                 |                   | للل           | <u> </u>       |  | • 1 1 1 1 • 1                                    |
| Nitrobe        | enzene           |              | 1150                 | 7110           | 7 11 1 •                        |                   | $+$ $\sqcup$  | <u> </u>       | 1111   | •  |
|                | sodimethylamine  |              |                      | 211            |                                 |                   | للل           | <u> </u>       |  | <u>•                                    </u>     |
| N-Nitro        | sodi-n-propylam  | ine          | 1150                 | 2111           | 2 1 1 1 •                       |                   | للل           | 1.             |  | •  |
| 2-Ch1          | orophenol        |              |                      | 0110           |                                 |                   | 4-1-1         | <u> </u>       | 1111   | •  |
| 2,4-D          | ichlorophenol    | <u> </u>     |                      | 2116           | 1                               |                   | 11            | <u> </u>       | <del>-  - - - -</del>                            | •           •                                    |
|                | imethylphenol    | 9            | 114.                 |                |                                 | _                 | 4-1-          | 11.1           | 1111   | • 1 <del>  1   1   •  </del>                     |
| _4,6-D         | initro-o-cresol  |              | <•{                  | <u>) 151</u> ( | 2 1 1 1 •                       | للل               |               | 1 • 1 1        | 1111   | •  |
|                | RETECTION DUT    |              |                      |                |                                 |                   |               | P              | aid.   | Testina  |
|                | OLLA DOED MANE   | C            |                      | - 0-           |                                 | 1                 | AR NA         | MF '''         | いた10へ こ  | 1001111  |

## NEW J...SEY DEPARTMENT OF ENVIRONMENTAL. DIVISION OF WATER RESOURCES

TECTION

### INDUSTRIAL FACILITY WASTEWATER REPORT

|                            | ID. Mo.              | SAMPLING PERIOD VR. MO.  2/7 THRU 15 | Y#.              | NJDEP<br>USE<br>L                                | LABORATORY<br>CERT. NO.                |
|----------------------------|----------------------|--------------------------------------|------------------|--|--|
| PARAMETER<br>DESCRIPTION   | INFLUENT CONC.       | EFFLUEN<br>MILLIGRAMS                |                  | EFFLUENT<br>KILOGRAM                             |  |
| ni doff <sup>6</sup> a     | PER LITER<br>AVERAGE | AVERAGE                              | MAXIMUM<br>43 49 | <b>AVERAGE</b><br>50 <b>5</b> 6                  | MAXIMUM<br>57 63                       |
| .4-Dinitrophenol A         | 28 35<br>11 4.050    | 36 42                                | 1   1   1   /    | \+       <b>a</b>                                |  |
| 2-Nitrophenol 5 ppe        | 1 1 1 5.01 1.0       |                                      |                  | 11111  |  |
| -Nitrophenol pt A          | 1116.050             |                                      | 1 1 1 1/1        | \  | 111/01                                 |
| -Chloro-m-cresol           | 1 1 1 1 <-011 10     |                                      | 11111            | 1/1 1 • 1  | 11161                                  |
| Pentachlorophenol £ .      | 1116,050             | 1 \                                  | 1 1 •/1 1        |  |  |
| henol pc SPrb.             | 11150110             |                                      | 1 1 1 1          | 11/11.1  | 11111                                  |
| 12.4.6Trichlorophenol      | 111 K.0110           |                                      | 1 1/4 1          |  | 1// 1 - 1                              |
| Acenaphthene               | 111159110            | 111.                                 | 11/411           | 11/1-1   | 1/11-1                                 |
| Acenaphthylene             | 111150110            |                                      | 11/1:11          | 11110  | 1/11-1                                 |
| Anthracene                 | 111144116            |                                      | 1 / 1   1        | 111191   | 1/11111                                |
| Benzidine FA DA SHE.       | 111/6/10/            | T                                    | 1/1.1            | 111/01   | 11111                                  |
| Benz(a)anthracene          | 1114.0110            |                                      | 1/11 • 11        | 1111   | /                                      |
| Benzo(a)pyrene             | 1115940              | 111011                               |                  |  | 1111                                   |
| 3.4-Benzofluoranthane      | 11114.01110          | 111011                               | <u>VIII.II</u>   | 11111  | 111-                                   |
| Benzo(ghi)pervlene         | 11114.0111           |                                      | <u> </u>         | 1110   | 1 1 1 1 1 1                            |
| Benzo(k)fluoranthene       | 111 K.0110           |                                      | 111011           | 11111  | 11101                                  |
| Bix(2-chloroethoxy)methane | 1116.0110            | 111011                               | 14 1 1           | 11111  |  |
| Bis(2-chloroethyl) Ether   | 1114,0110            | )       •                            | 1 1 1 1          | 1112   |  |
| x(2-Chloroisopropyl) Ether | 11160116             | 11101/1                              | 11/1-11          | 1111.  | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| is(2-ethylhexyl) Phthalate | 1114.0116            | )     • 1/1                          | 11).11           | 11/1-  |  |
| -Bromophenyl Phenyl Ether  | 11114.0110           |                                      | 111/011          | 1111-  |  |
| itylbenzyl Phthalate       | 111140116            | 7 1 1 • / 1 1                        | 111411           | 11/11-1  | 111-                                   |
| -Chloronaphthalene         | 1114911              |                                      | 111.             | 11/11-1  | 1111101                                |
| Phenanthrene               | 111150110            |                                      | 111.             | 1111.  | 111111                                 |
| Pyrene                     | 11114.9119           |                                      |                  | 111101   | 11111                                  |
| 1,2,4-Trichlorobenzene     | 1114-0111            | 111011                               | 111.1            | 1-1-1-1  | 111/1-1                                |
|                            | 111111               | 111.                                 | 11.1             | 1111-1   | 1111                                   |
|                            | 1111011              | 111-11-                              |                  | 1111-1   | 1111:                                  |
| ·                          | 1111011              | 111011                               | 1111011          | <del>                                     </del> | 1111                                   |
|                            | 1111011              | 111011                               | 111011           | 1111-1   | 1111                                   |
| _                          | 1111011              | 111011                               | 1111-11          |  |  |
|                            |                      |                                      |                  | ,  | -                                      |

DISCHARGER NAME \_ Georgia-Pacific Corp.

ATTACHMENT.

Page 1 of 3

### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

|                                | INDUSTRIAI                                   | FACILITY WASTEWATER REPO                         | DRT  |
|--------------------------------|--|--|--|
| NJPDES NO.                     | ID. Mo.                                      | SAMPLING PERIOD  VR. MO. VR.  18 7 THRU 1 1 1 19 | NEW JERSEY LABORATORY USE CERT. NO.              |
| PARAMETER<br>DESCRIPTION       | INFLUENT<br>CONC.<br>MILLIGRAMS<br>PER LITER | EFFLUENT CONC.<br>MILLIGRAMS PER LITER           | EFFLUENT LOADING KILOGRAMS PER DAY               |
| 26 27 DETECTION CON TO         | AVERAGE 35                                   | AVERAGE MAXIMUM 36 42 43 49                      | AVERAGE MAXIMUM                                  |
| Acrylonitrile 16               | 1111601510                                   | 1111111111                                       |  |
| Benzene                        | 1116.01011                                   |  |  |
| Bromoform                      | 11114.01011                                  |  |  |
| Carbon Tetrachloride           | 1115.01011                                   |  | <del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del> |
| Chlorobenzene                  |  | <del></del>                                      | 1/1101/11/01                                     |
| Chlorodibromoethane            | 1      |  |  |
| Chloroform                     | 11114-01011                                  | <del></del>                                      | 11/1101/1101                                     |
| 1, 1 - Dichloroethane          | 1117.001                                     | <del></del>                                      | 11/10/1/1/10/                                    |
| 1, 2 · Dichloroethane          | 11114.01011                                  | 11111111   |  |
|                                | 1114-01011                                   | 1110/11/11011                                    |  |
| 1, 1 - Dichloroethylene        | 11114.01011                                  | 1110/1/1110                                      |  |
| 1, 2 - Dichloropropane         | 11114.01011                                  |  | <del></del>                                      |
| Ethylbenzene                   | 11114.01011                                  |  | <del></del>                                      |
| Methylene Chloride             | 111501011                                    |  | <del>                                     </del> |
| 1, 1, 2, 2 · Tetrachioroethane | 11150011                                     |  | <del></del>                                      |

|             | Acceptance                      |                   | 42 43  | 49                | 50 56  | 57 67  |
|-------------|---------------------------------|-------------------|--|-------------------|--|--|
| _           | Acrylonitrile 13                | 1111501510111     | <del></del> ,                                      |                   | 111111   | 1 1 1 1  |
|             | Benzene                         | 1111501011        | 11111  | /.                |  |  |
| •           | Bromotorm                       | 111 K-01011 1/11  |  | <b>'</b>          |  | <del></del>                                      |
| _           | Carbon Tetrachloride            | 1115.0011         | <del></del>  | <del>//-/-/</del> | <del>-\</del>                                    | 111/01   |
|             | Chlorobenzene                   |                   | <del>╌╏╏</del>                                     |                   | 14101  | 11/01  |
|             | Chlorodibromoethane             | 111/0101111/10    | <del></del>  |                   |  | 11/101   |
| _           | Chloroform                      | 11115-0101111     |  |                   |  | 11/1101  |
|             |                                 | 11116.001111/0    | 1111.  |                   | 11/10/   | 1/-  |
| ▋▏          | 1. 1 - Dichloroethane           | 11115.01011 111   | 11111  |                   |  |  |
| _           | 1, 2 - Dichloroethane           | 11115-010111111   |  |                   |  | <del>-/</del>                                    |
|             | 1.1 - Dichloroethylene          | 11114-01011       | \  |                   | ┸┸┸┸   | <del>/</del>                                     |
|             | 1, 2 - Dichloropropane          | 111500011         | <del>\                                    </del>   |                   | <del>                                     </del> |  |
| _  _        | Ethylbenzene                    |                   | <del>1\/                                    </del> |                   | 11111  | 11101  |
|             | Methylene Chloride              | 11114.01011111    | <del>                                      </del>  |                   | 111  | 1 1 1 1 - 1                                      |
| BY PF AMI   |                                 | 111501011111      |  |                   | 111-1  |  |
| _   ≥       | 1, 1, 2, 2 · Tetrachloroethane  | 1111501011111111  | 1111   |                   |  | <del></del>                                      |
| 90          | Tetrachloroethylene             | 11115-01011111    | 11/11/   |                   |  | <del></del>                                      |
| #E          | Toluene'                        | 1 1 1 (-0191)     | \\_  | <del></del>       | ┸╼┸╌┦╌   | <del></del>                                      |
|             | 1, 1, 1 - Trichloroethane       | 111<00011         | <del></del>  |                   | 111111   | 1117   |
| REGUIRED    | 1, 1, 2 - Trichloroethane       |                   | <del></del>  | <del></del>       | 111111   | 111111   |
| AS          |                                 | 1114.0001 1/1.    | <u> </u>   |                   | <u> </u>   |  |
|             | - The Horse triplette           | 1115.0011111.     |  | 11                | 1 1/1 - 1  |  |
|             | Vinyl Chloride                  | 1115.01012/1/11.  |  |                   | 7  |  |
| •           | Acrolein ETIEP VO               | 1115.01510 1/11.  |  |                   |  | <del>┸╲┖╌╏╸</del> ┸┩╶                            |
| ]           | Chioroethane                    | 111/0/0/2/11      | 1  |                   | <del></del>                                      | <del>                                     </del> |
|             | 2 - Chloroethylvinyl Ether      | 111/00/01/21/11   | <del></del>  |                   |  | <u> </u>   |
| 4 [         | Dichlorobromomethane            | 111K.01011 111    | <del></del>  |                   |  |  |
| <b>]</b> -f | =1,3= Dichloropropytene         |                   | <del></del>  | ┖┸╃╻              | 1101   | 11 1/101   |
|             | Methyl Bromide                  | TI 16.01017 11.1  |  | بالب              | 411011   |  |
| 1           |                                 | 1111500211101     | 1110   |                   | 41111  |  |
| ▋▐          | Methyl Chloride                 | 1115-0011111-1    | 1 1 1 1 0 1  | 11                |  |  |
| 1 -         | 1, 2 - trans - Dichloroethylene | 11115.01011111.1  | 1 1 1 1 1  |                   |  |  |
| 1           | 1, 2 Dichlorobenzene            | 11115.01110 111.1 | <del></del>  |                   | <del></del>                                      |  |
| L           | 1, 3 Dichlorobenzene            | 1114.01110 111.1  | <del></del>  |                   | <del>                                     </del> | 11101  |
|             | 1, 4 Dichlorobenzene            | 1114.010          | <del></del>  | <u> </u>          | <u> </u>   | 1101   |
|             |                                 | 111,00,1011101    | 111101   | 411               | 111011   | 11101  |
|             | ·.                              |                   | •  | 1                 |  |  |

Georgia-Pacific Corp. DISCHARGER NAME

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### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

### INDUSTRIAL FACILITY WASTEWATER REPORT

ATTACHMENT 16-8

|           | NJPDES NO.               | DISCHARGE<br>ID. Mo                                     | SAMPLING<br>REPORTING PERIOD<br>D. YR. MO. YR     |  | NJDEP<br>USE  | NEW JERSEY LABORATORY CERT. NO.                    |  |  |
|-----------|--------------------------|---|---|--|---|--|--|--|
| <u> 0</u> | 10 10 14 1 61 61 9       |   | 4 8 8  THRU [                                     | ]<br>18 19                                     | - 20  | 21 25  |  |  |
| •         | PARAMETER<br>DESCRIPTION | INFLUENT<br>CONC.<br>MILLIGRAMS<br>PER LITER<br>AVERAGE | EFFLUENT C<br>MILLIGRAMS PEI                      |  | EFFLUENT LOADING KILOGRAMS PER DAY  AVERAGE MAXIMUM |  |  |  |
| 26 27     |                          |   | 35 36 42 43                                       | 49   | 50 .  | 6 57 6   |  |  |
| 1 A       | BOD <sub>s</sub> ,       | 11111   |   | <u> </u>                                       | \   | <del>                                     </del>   |  |  |
| 1 B       | COD                      |   | <del>                                      </del> | 11-1/  | \   | <del> - - -/</del>                                 |  |  |
| 1 C       | Total Dissolved Solids   | 1/16/6/0.11   |   | <del>    •   /   -</del>                       |   | <del>                                     </del>   |  |  |
| 1 D       | Total Suspended Solids   | 1111111   | <del>                                      </del> | <del>/</del>                                   |   |  |  |  |
| 1 E       | Chlorine                 |   |   | 11411  |   |  |  |  |
| 1 F       | Total Organic Carbon     | 1111011   | 11110111  | 11/011   |   | <del>                                     </del>   |  |  |
| 1 G       | Total Dissolved Carbon   | 1111011   | <del>                                     </del>  | 1,/•11   | 11/11-1   | <del>                                      </del>  |  |  |
| 1 H       | Total Nitrogen           | 1111011   | 1110/11   | <del> / •  </del>                              | 111/1-1   | <del>      /     •  </del>                         |  |  |
| 1         | Ammonia Nitrogen         |   | <del>                                     </del>  | <del>/</del>                                   | 11/1•1  | 11/11-1  |  |  |
| 1 J       | Nitrate Nitrogen         | <del>                                     </del>        | <del>                                     </del>  | <u> </u>                                       | 111/1-1   | 1/11101  |  |  |
| 1 K       | Total Phosphorus         | 111011  | 111111  | 11.  | <del></del>   | <del>  /                                   </del>  |  |  |
| 1   L     | Oil & Grease             | 11/10-11  | <del>                                     </del>  | 11.11  | 1111/01   | <del></del>  |  |  |
| 1 M       | Petroleum Hydrocarbon    | <u> </u>  | 111011  | <u> </u>                                       |   | <del>/////////////////////////////////////</del>   |  |  |
| 1 N       | Aromatic Hydrocarbons    | <u> </u>  | <del>                                      </del> | <u></u>  | 11101   | <u> </u>   |  |  |
| 1 0       | Chlorinated Hydrocarbo   | ons   |   | 1 • 1 1  | 1 1 1 • '\  | <u> </u>   |  |  |
| 1 P       | Phenois (Total)          |   | 111.  | <u>\  •                                   </u> | 111111  |  |  |  |
| 1 0       | Cyanide (Total)          | 1111-11   | 1110011   | <u> </u>                                       | 111101  |  |  |  |
| 1 R       | Aluminum                 | 1111011   | 1110/11   | 1/1 • 1 1                                      | 11110   | 1111   |  |  |
| 1 S       | Arsenic                  | 1111011   | 1116111   | 1 • 1 1  | 111/•1  | <del>  \                                    </del> |  |  |
| 1 T       | Cadmium                  |   | 111/• 111   | 11/•11   | 111/1-1   | 1)1111   |  |  |
| 1 U       | Chromium (Total)         | 1115.012  | 11/•11  | 1 1  | 11/101  | 11/11-1  |  |  |
| 1 V       | Cobalt                   | 1111011   | 11/1-11/1   | <del></del>                                    | 11/1-1  | 11/11-1  |  |  |
| 1 W       | Copper                   |   | 11/1-111  | <u> </u>                                       | 11/11-1   |  |  |  |
| 1 X       | Lead                     | 111 < 012   | 11111   | <u> </u>                                       | 11/11-1   |  |  |  |
| 1 Y       | Mercury                  | 1111-11   |   | 11.  | 11111   | 11111-   |  |  |
| 1 Z       | Nickel                   | 111111  | 1110111   | <u> </u>                                       | 1/11.   | 1111   |  |  |
| 2 A       | Silver                   | 111111  |   | 11.  | V 1 1 • 1   | 1111   |  |  |
| 2 B       | Zinc                     | 11101   | ////  | 1 • 1 1  | 11101   | 1111   |  |  |
|           | Sulfate                  | 11/10/6.11  | 1110111   | 11.1   | MILLEL  | 1111   |  |  |
|           | off (SU)                 | 1117.0151   | 411.11  | 11.  |   | 111-   |  |  |
|           | Chloride                 | 11159.11  | <u> </u>  | 11.1   | 111101  | 111101   |  |  |

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# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PRUTECTION DIVISION OF WATER RESOURCES

### INDUSTRIAL FACILITY WASTEWATER REPORT

| NJPDES NO.          | DISCHARGE<br>ID, | Sampling PERIOD  MG. YR. MO. YR. | <b>:</b> | NJDEP<br>USE | NEW JERSEY<br>LABORATORY<br>CERT. NO. |
|---------------------|------------------|----------------------------------|----------|--------------|---------------------------------------|
| 0 10 10 141 61 61 9 | 11011            | 11 14 THRU [/] 28 18             | 19       | 20           | 1/1/1/B                               |

|                |          |               |                          | 1  |  |                      |                  |   |              | <del>-</del>                                       |  |
|----------------|----------|---------------|--------------------------|--|--|----------------------|------------------|---|--------------|--|--|
|                |          |               | PARAMETER<br>DESCRIPTION | INFLUENT<br>CONC.<br>MILLIGRAMS<br>PER LITER |  | MILLIG               |                  | NT CONG.  |              |  | T LOADING  |
| ſ              | ٦        | 26            | 27                       | AVERAGE                                      | 36   | AVERAGE              | 42               | MAXIMUM<br>43                                     | _ _          | AVERAGE  | MAXIMUM  |
|                |          | 1             | BOD                      | 1 1 1 1                                      | 1  | 1 1 - 1              | <u></u>          | 1 1 1 1 1   | 9 50         | <u> </u>   | 5 57 63  |
|                |          | 1 1           | COD                      |  | 1  | 1 1 - 1              | 1                |   | 1            | <del>                                     </del>   | <del>                                     </del> |
|                | Ų        | 1 0           | Total Dissolved Solids   | 1/1/12/6. 11                                 | 1  |                      | <del></del>      |   | +            |  | <del> `- - - - -</del>                           |
| ľ              |          | 1 1           | Total Suspended Solids   | 1111.11                                      |  | 1 - 1                | <u> </u>         |   | +            | <del>\                                    </del>   | <del> - - - - -</del>                            |
|                | XŁ       | $\widehat{1}$ | Chlorine                 |  |  | 1                    |                  | <del></del>                                       |              |  |  |
|                | Ŀ        | 1 1           | Total Organic Carbon     |  |  | 1                    |                  |   | 13           |  |  |
|                | L        | 1 (           | Total Dissolved Carbon   | 1 1 1 0 1 1                                  |  | 1 1 1                |                  | <del></del>                                       | +            |  | <del>                                     </del> |
|                | Ŀ        | 1 }           | Total Nitrogen           | 111111                                       |  | 1                    |                  |   | +            | 1  | <del>                                     </del> |
|                | Œ        | 1             | Ammonia Nitrogen         | 1 1 1 10./1 1                                |  | 1 - X                |                  |   | +            |  |  |
|                | [        | נו            |                          |  |  |                      | ,                |   | ╁┤           |  | 1/1101   |
| ١              |          | K             | Total Phosphorus         | 111111                                       | -  | <del></del>          | 1                | <del>//</del>                                     | ╁╌           |  | 1/11-1   |
|                | $\P$     | L             | Oil & Grease             | 1 12/3./1                                    | _  | <del></del>          | 1.               | /   | ╁            |  | <del>/</del>                                     |
| 1000           |          | N             | Petroleum Hydrocarbons   | 1 1 17.71                                    |  | <del></del>          | <del>``</del> \  | <del></del>                                       | 尸            | 11/01  | <del>/                                    </del> |
|                |          |               | Aromatic Hydrocarbons    | 1 1 1 1 1 1                                  |  |                      | <del>     </del> | \   | ╁            | <del></del>  |  |
| à              | ī        | 0             | Chlorinated Hydrocarbons | 1:11-11                                      |  | <del> </del>         | ∺                | <del>\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \</del> | ┼╌           |  |  |
| REQUIRED BY PE | 1        | _             | Phenois (Total)          |  |  | <u> </u>             | -                | _ <u>\\</u>                                       | ╀            | <u> </u>   |  |
|                | 1        | _             | Cyanide (Total)          | <u> </u>                                     | لبلب   |                      | <del>!  </del>   | <del>-                                     </del> | ╀            |  |  |
| REC            | 1        | R             | Aluminum                 |  |  |                      | -                |   | H            |  |  |
| AS             |          | s             | Arsenic                  | <del></del>                                  |  |                      | -                |   |              |  | 1111   |
|                | 1        | Т             | Cadmium                  | <del></del>                                  |  |                      | -                |   | -            | <del></del>  | <del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del> |
| X              | 1        | υ             | Chromium (Total)         | 1 1 1 0 0 2                                  | <del></del>                                  | <del>-  /•  </del> - | 4                | <del></del>                                       | 1            | <del>-                                      </del> | <u> </u>   |
|                | 1        | V             | Cobalt                   | 1 1 1 1 1 1 1                                |  | <del>/•</del> -      | 4                | <del></del>                                       | Н            | <del>             </del>                           | 1/11-1   |
|                | 1        | +-            | Copper                   |  |  | /                    | 4                | <del>                                     </del>  |              | 1/1-1  | 1 1 1 1 1  |
| X              | 1        | +-            | Lead                     | 1 1 1 2 1 2 1 2 1                            | -1-4   |                      | 4                | 11011   | $oxed{\bot}$ | 4/11-11  | 11/1101  |
| ľ              | 1        | $\vdash$      | Mercury                  | 1 1 1 1 0 0 0 1 2 1                          |  |                      | 4                | <u> </u>  |              | <del>/</del>                                       | 111111   |
|                | _        | +             | Nickel                   |  | <u> </u>                                     | 1.                   | 4                | <del></del>                                       |              | 1111   | 11/101   |
|                | 2        | -             | Silver                   | <del></del>                                  | <u>,                                    </u> | 101                  | 4                | 11111   | 1            | 11111  | 111101   |
|                | $\vdash$ | ┿             | Zinc                     | 1      | <del>/11</del>                               | 4.1.1                | 4                | 111011  | <u> </u>     |  | 111/01   |
| <i>.</i>       | -        | Ť             |                          | 1112   | 11   | 1-11                 | 4                | 1110111   | 1            | 11101  | 1111,  |
| ١.             | -        | H             | Sulfare                  | 1108.  | 11   | 1.1                  | _                | 11011   | 1            | 1101   |  |
|                |          | $\vdash$      |                          | 111011                                       | 1.1  | 1.1                  | _                | 111011  |              | 11101  | 1110   |
|                |          | Ш             |                          | <u> </u>                                     | _1_1   | 1 • 1 1              | - 1              | 111411  | ı            | 11111  |  |

DISCHARGER NAME Georgia-Pacific Corp.

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### . DEPARTMENT OF ENVIRONMENTAL PR DIVISION OF WATER RESOURCES

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### INDUSTRIAL FACILITY WASTEWATER REPORT

|             |          |              | NJPDES NO.               | ID. Mo.   | SAMPLING PERIO<br>REPOSITING PERIO<br>VR. MO. | D<br>VR.    | NJDEP<br>USE                          | NEW JERSEY LABORATORY CERT. NO. |  |
|-------------|----------|--------------|--------------------------|---|---|-------------|---------------------------------------|---------------------------------|--|
|             |          | 0            | :0:0:4161619             | 8 10 11   | 891 THRU LICESP-GRAB                          | 18 19       | 20                                    |                                 |  |
|             |          |              | PARAMETER<br>DESCRIPTION | INFLUENT<br>CONC.                                 |   | NT CONG.    | EFFLUENT LOADING KILOGRAMS PER DAY    |                                 |  |
| _           | _        | _            |                          | PER LITER<br>AVERAGE                              | AVERAGE                                       | MAXIMUM     | AVERAGE<br>50 56                      | MAXIMUM<br>57 6                 |  |
|             |          | 27<br>A      | BOD,                     | 28 35   | 36 42   | 43 49       |                                       | 1       - ¥                     |  |
|             | ┢        | В            | COD                      | <del>                                      </del> | \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \        |             | \                                     | 1111/                           |  |
| V           | -        | +            | Total Dissolved Solids   | 13.6.8.   |   |             |                                       | 111111                          |  |
|             | ļ;       | 6            | Total Suspended Solids   |   |   | 1112/       | Nina                                  |                                 |  |
| 7           | Ŀ        | _            | Chlorine Chlorine        |   |   | 111/11      |                                       |                                 |  |
|             | ,        | 1            | Total Organic Carbon     | 1 1 1 1 1 1                                       |   | 1/2         | 11111                                 | 111/11                          |  |
|             | ۱        | _            | Total Dissolved Carbon   | 1 1 1 1 4 1 1                                     | 111211  | 11/011      |                                       |                                 |  |
|             | H        | 1-           | Total Nitrogen           |   | 111.  | 11/1011     |                                       | 11/1101                         |  |
| X           |          | T            | Ammonia Nitrogen         | 1 1 1 1 1 1 1 1 1                                 | 111.  | 1 ( 1 • 1 1 |                                       | 1/1101                          |  |
|             | ۱        | +-           | Nitrate Nitrogen         | 111011  | 11101   | 1/1 1 • 1 1 |                                       | 1/11101                         |  |
|             | H        |              | Total Phosphorus         | 1111011   | 111.1   | 11011       |                                       | V 1 1 1 • 1                     |  |
| X           | 1        | +            | Oil & Grease             | 38. 1   |   | /111011     | 111/01                                | /                               |  |
| 8           | 1        | +            | Petroleum Hydrocarbons   |   | 111011  | X           |                                       | V                               |  |
| PE          | 1        | +            | Aromatic Hydrocarbons    |   | 111011  |             |                                       |                                 |  |
|             | 1        | +            | Chlorinated Hydrocarbor  | 1:11011   |   | 11.         |                                       |                                 |  |
| 150         | 1        | <del> </del> | Phenois (Total)          | 1111011   | 11101/1                                       |             | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 1111.                           |  |
| REQUIRED BY | 1        | +            | Cyanide (Total)          | 1111011   | 1110/1  | 1 (1 • 11 1 | //                                    |                                 |  |
| 360         | 1        | 1            | Aluminum                 | 111111  | 1110/11                                       | 11/1-11     | 111/01                                |                                 |  |
| ASI         | 1        | 1-           | Arsenic                  | 111111  | 111411  | 1 1 1 1     | 1111                                  | 11111                           |  |
|             | _        | _            | Cadmium                  | 1111011   | 111/011                                       | 111011      | 11/101                                |                                 |  |
| X           | _        | +            | Chromium (Total)         | 1110.111  | 11/011  |             | 11/101                                |                                 |  |
|             | 1        | V            | Cobalt                   | 1111:01;  | 11/1011                                       | 111011      | 11/101                                |                                 |  |
|             | 1        | +            | Copper                   | 1111011   |   | 111.11      | 11/1101                               | 11/11-1                         |  |
| X           | 1        | x            | Lead                     | 1110.181  |   | 11.1.11     |                                       | 1111                            |  |
|             | 1        | +            | Mercury                  |   | 1/11 • 11                                     | 111011      |                                       | 11111                           |  |
|             | ī        | z            | Nickel                   | 111.  | 11.1.1  |             | 11101                                 | 111101                          |  |
|             | 2        | A            | Silver                   |   | /1 1 • 1 1                                    | 111011      |                                       |                                 |  |
|             | 2        | В            | Zinc                     | 1 1 1 1 1   | 1/11111                                       | 1101        |                                       |                                 |  |
| ×           |          | Γ            | Sulfate                  | 1130.11   |   | 1 1 • 1 1   | 11111                                 | 111101                          |  |
| 1           | Γ        | T            | of (su)                  | 7.3   | 111.11  | ! ! • ! !   |                                       | 1110                            |  |
|             | <u> </u> | T            | 1 ( )                    | 1111011   | 1::•::  | 111011      | 111101                                | 11111                           |  |
|             |          | •            | *····                    | <u></u>   | • • • • • • • • • • • • • • • • • • •         |             |                                       | 1                               |  |

DISCHARGER NAME Georgia-Pacific Corp.

LAB NAME Trinceton



# DELAWARE RIVER BASIN COMMISSION P. O. BOX 7360 WEST TRENTON. NEW JERSEY OB628

(609) 883-9500

HEADQUARTERS LOCATION 25 STATE POLICE ORIVE WEST TRENTON, N. J.

March 9, 1990

Mr. D. L. Glass, Vice President Georgia Pacific Corporation P.O. Box 338 Delair, NJ 08110

Dear Sir:

The Delaware River Basin Commission; the States of New Jersey, Pennsylvania and Delaware; and the U.S. Environmental Protection Agency are currently involved in a cooperative effort to develop policies and procedures to control the discharge of toxic substances which could impact human and aquatic life in the tidal portion of the Delaware River from the head of the tide at Trenton, NJ to Delaware Bay (River Miles 133.4 to 48.2). These policies and procedures will be used to develop effluent limitations and wasteload allocations for point sources, and will ensure that numerical and narrative water quality standards for toxic pollutants are met. In order to develop technically-sound effluent limitations for toxic pollutants, additional data is needed on the discharges from your facility. All industrial and municipal facilities located on the mainstem of the Delaware River and its tidal tributaries south of Trenton, NJ will also be evaluated as part of this effort.

You are therefore required, in accordance with the authority provided in Section 4.30.8 C. and D. of the Water Quality Regulations of the Delaware River Basin Commission, to conduct the monitoring described below at DSN 001 and submit the results, raw data and the requested information within the time limits specified. This information is requested pursuant to Section 3.10.4 D. 1. - Effluent Quality Requirements of our Regulations.

### Chemical Monitoring

A. Three samples shall be collected over a three month period at a frequency of approximately once every thirty (30) days, and analyzed for priority toxic pollutants including volatile organic compounds, non-volatile organic compounds, organochlorine pesticides & PCBs, and 12 heavy metals (see Attachment 1 for methods). Samples shall be collected during periods representative of normal facility operations. Sample collection and facility operating data at the time of collection shall be reported along with the results of the sample analyses. Samples for volatile organic compounds shall consist of four grab samples collected six hours apart if the discharge is continuous, and one grab sample every six hours if the discharge is non-continuous. Samples for non-volatile organic compounds, metals and pesticides/PCBs shall consist of a 24 hour composite sample if the discharge is continuous; and if the discharge is non-continuous, the composite sample will consist of aliquots collected over the duration of the discharge (see Attachment 1 for specific requirements). Appropriate quality

### Mr. D. L. Glass, Vice President

assurance/quality control procedures including check samples, spikes and duplicate analyses shall be used (see Attachment-1 for specific requirements) and reported with the results of the sample analyses.

B. The first sampling event shall commence within 30 days of receipt of this letter. The results of each analysis shall be reported within 60 days of each sample collection. Based upon a review of the quality assurance data submitted with the analytical results, additional monitoring may be required if the quality of the data is determined to be deficient.

#### Whole Effluent Toxicity Monitoring

- A. The chronic toxicity of the discharge from DSN 001 shall be determined twice during the three month period of chemical monitoring. The two tests shall be separated by a minimum of 30 days. Each test will determine the effect of the discharge during a seven (7) day test period on the survival, reproduction or growth of both the fathead minnow, <u>Pimephales promelas</u>, and the cladoceran, <u>Ceriodaphnia</u>. Effluent samples utilized in the testing shall consist of 24 hour composite samples or, if the discharge is non-continuous, samples composited over the duration of the discharge. Samples shall be collected on days 0, 2, and 4 of each test period.
- B. All test procedures, data analysis and quality assurance/quality control procedures, unless otherwise specified in Attachment 1, shall be in accordance with EPA Methods 1000.0 and 1002.0 as contained in Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, EPA 600/4-89/001, March 1989.
- C. The NOEC (No Observable Effect Concentration) for each test, test species and endpoint shall be reported, along with the raw survival, growth and reproduction data. The 48 and 96 hour LC50, if calculable, shall be reported for each test and test species. Physical/chemical data recorded during each test as well as information on the effluent samples collected during each test shall also be reported.
- D. The first sampling event shall commence within 30 days of receipt of this letter. The results of each analysis shall be reported within 30 days of the completion of each test. Based upon a review of the quality assurance data submitted with the toxicity testing results, additional monitoring may be required if the response of control organisms or the physical/chemical measurements do not meet the requirements of the respective method.

### Outfall Structure Information

- A. Information regarding each of the discharge outfalls sampled shall be provided. information shall include, at a minimum, the following items:
  - 1. An estimate of the effluent discharge velocity based upon the diameter of the discharge pipe (or wetted perimeter of the pipe) and the flowrate,

2. Average monthly and permitted flow rate,

3. Orientation of discharge relative to the receiving water (e.g., elevated sluiceway, surface, submerged, single or multiport),

4. Distance to shore from point of discharge,

5. Discharge length scale (i.e., square root of the cross-sectional area of any discharge outlet).

6. Water depth at the point of discharge,

7. Width of receiving water body at the point of discharge, and

8. A diagram or drawing of the outfall structure.

All monitoring data shall be submitted within six months of receipt of this letter to:

Delaware River Basin Commission P.O. Box 7360 West Trenton, NJ 08628

New Jersey Department of Environmental Protection Wastewater Facilities Management Element P.O. Box CN-029 Trenton, NJ 08625

Your cooperation will be very much appreciated. Questions concerning this matter should be directed to Mr. Thomas J. Fikslin at (609) 883-9500.

Gerald M. Hansler

Attachment

cc: NJDEP, Division of Water Resources

# ATTACHMENT 1 SAMPLING, ANALYTICAL AND QUALITY ASSURANCE PROCEDURES

### Sample Collection

Composite samples shall consist of a minimum of 24 sample aliquots collected manually or automatically at periodic intervals during the operating hours of the facility. The sample must be composited proportional to the flow if the flow of the facility varies more than 15% during the sampling period. If the flow of the facility does not vary more than 15%, the sample may be time-composited. Documentation that the flow rate of the discharge met the criteria must be submitted with the analytical results if the sample is time-composited.

Grab samples for volatile organic analysis may be composited in the laboratory prior to analysis.

All requirements for sample containers, sample preservation and holding times for the applicable test method shall be those listed in Table II of Guidelines Establishing Test Procedures for the Analysis of Pollutants under the Clean Water Act, 40 CFR Part 136.

### Chemical Monitoring

Analysis of samples for priority toxic pollutants must utilize the following methods in order that an acceptable level of detection is obtained:

| <u>Parameter</u>   | EPA Method*  | NECEIVEM  |
|--|--|---|
| Purgeable Halocarbons Purgeable Aromatics Base/Neutrals and Acids Organochlorine Pesticides and PCBs Aluminum Arsenic Beryllium Cadmium Total Chromium Copper Lead Mercury Nickel Selenium | 601 or 624<br>602 or 624<br>625<br>608<br>202.1 or 200.7<br>206.2<br>210.2 or 200.7<br>213.2<br>218.2 or 200.7<br>220.2 or 200.7<br>239.2<br>245.1<br>249.2 or 200.7<br>270.2<br>272.2 | MAR 1 5 1990  STATE OF REM MEMORY  MENT. ENVIRONMENTAL, PROVINCES  BIVISION WATER REMOVINCES  BILL BE MIR. MARCH SERVE. |
| Silver<br>Zinc   | 289.1 or 200.7   | • 4.  |

In addition to performing the analysis for the parameter in accordance with the EPA Method cited above, certain quality assurance and control (QA/QC) procedures must be performed and the data submitted along with the analytical results of the samples collected at the discharge. The required

procedures are contained in the analytical method cited for each parameter and include, but are not limited to the following:

- 1. Dates and times of sample collection, sample extraction (if performed), and sample analysis.
- 2. Daily demonstration that measurement system is operating acceptably (GC/MS).

3. Initial and continuing calibration.

- 4. Daily analysis of reagent water blanks and for inorganic analysis, digested reagent water blanks and a digested mid-level standard.
- 5. Analysis of a quality control check sample (QC sample) with each batch of not more than 20 samples.
- 6. Spiking of a minimum of 10% of the discharge samples with the analytes of interest.

7. Spiking of all discharge samples with surrogate standards (GC/MS).

8. Replication of at least one sample or matrix spike with each batch of not more than 20 samples.

### Whole Effluent Toxicity Testing

The following test and quality assurance procedures shall be used in the performance of the chronic toxicity tests:

- 1. Dilution water for the tests shall be reconstituted laboratory water.
- 2. A minimum of four (4) replicates shall be used for each effluent concentration in the Fathead Minnow Larval Survival and Growth Test.
- 3. Reference toxicant tests shall be conducted using EPA Methods 1000.0 and 1002.0 in conjunction with tests using the wastewater samples. Control charts developed for inhouse cultures from a minimum of five chronic toxicity tests with the same reference toxicant may be substituted as long as the last test was conducted within 30 days of initiation of the wastewater tests. The NOEC for each reference toxicant test, test species and endpoint shall be reported, along with the raw survival, growth and reproduction data. The source of the test organisms, physical/chemical data recorded during each test and the source of the reference toxicant shall also be reported.

NOTE: SAS INSTITUTE INC., SAS CIRCLE, PO BOX 3000, CARY, NO 27512-3000 JEORGIA PACIFIC CORPORATION WASTEWATER DISCHARGE - DSN 901

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| AND VOTO | SESSOONED | = Y | Эr | <b>LABORATORIES</b> | S NOTAMAHHTUCS |
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|   |                     |           |              | AN         | ALYSIS PE      | R-FORMED BY | GC LABORATORI | A GOTTEMANHTUCE SE        |         |                  |            |              | _          |
|---|---------------------|-----------|--------------|------------|----------------|-------------|---------------|---------------------------|---------|------------------|------------|--------------|------------|
|   |                     |           | 26N .        | SAMPLE .   | SAMPLE         | MATRIX      | GROUP         | PARAMETER                 | VALUE . | REMARK<br>. CODE | GC<br>CODE |              | 0          |
| -                                       | NPDES#              | . K.T     | J:N          |            | _ 110110641= - |             |               | •                         |         |                  |            |              | <b>(3)</b> |
|   | NJ0004569           | 104.4     | <b>3C 1</b>  | 231nN3c    | 234002         | EFFLUENT    | VOLATILES     | BENZENE                   | 0.50    | บ                | 4          |              | 8          |
|   | NJ 0004 66 9        | 104.4     | OC 1         | 28JUN90    | 234002         | EFFLUENT    | VOLATILES     | TOLUENE                   | 0.50    | U                | 4          | •            | G,         |
|   | NJ 0004669          | 164.4     | ⊙C 1         | 2.3J UN 9C | 234002         | EFFLUENT    | VOLATILES     | CHLOROBENZENE             | 0.50    | ឋ .              | 4          |              | 0          |
|   | NJ0004669           | 104.4     | ЭC 1 -       | 28JUN9C    | 234002         | EFFLUENT    | VOLATILES     | ETHYLBENZENE              | 0.50    | U                |            |              | ~          |
|   | NJ0004669           | 104.4     | OC 1         | 23JUN9C    | 234002         | EFFLUENT    | VOLATILES     | CHLCROMETHANE             | 0.50    | U                | . 4        | رحم المحسمان | <b>O</b>   |
|   | NJ0004669           | 104.4     |              | 23JUN9C    | 234002         | EFFLUENT    | VOLATILES     | BROMOMETHANE              | 0.50    | ŭ <u></u>        | .4         |              | (C)        |
|   | NJ0004567           | <br>104.4 | 0C1          |            | 234002         | EFFLUENT    | VOLATILES     | VINYL CHLORIDE            | 0.15    | ប                | 4          |              | <i>.</i>   |
|   | NJ0004669           | 104.4     | 9C 1         | 23111190   | 234002         | SEFLUENT    | VOLATILES     | CHLCROSTHANE              | 0.50    | _ u              | 4          | . =-         | 9          |
|   | NJ0G04669           | 194.4     | 9C1          | 28JUN90    | 234002         | EFFLUENT    | VOLATILES     | METHYLENE CHLORIDE        | 0.50    | u<br>·           | 4          |              | 0          |
|   | NJ0004569           | 104.4     | OC 1         | 2310N70    | 234002         | EFFLUENT    | VOLATILES     | 1,1-DICHLORGETHENE        | 0.50    | บ                | 4          |              |            |
|   | NJ0004669           | 104.4     | oc 1         | 23JUN90    | 234002         | EFFLUENT    | VOLATILES     | 1,1-DICHLORGETHANE        | 0.50    | ប                | 4          |              | C          |
|   | NJ0004669           | 164.4     | 001          | 23JUN9C    | 234002         | EFFLUENT    | VOLATILES     | TRANS-1,2-DICHLOROETHENE  | 0.50    | U                | 4          | DI           | 6          |
|   | NJ0004669           | 134.4     | 001          | 23JUN90    | 234002         | EFFLUENT    | VOLATILES     | CHLCROFCRM                | 0.50    | u                | 4          | 1            |            |
|   | NJ0004669           |           | 001          | 28JUN90    | 234002         | EFFLUENT    | VOLATILES     | 1,2-DICHLORCETHANE        | 0.50    | Ū                | 4          | \            | ,          |
| . ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | NJ0004569           |           | 001          |            | 234002         | EFFLUENT    | VOLATILES     | 1,1,1-TRICHLOROETHANS     | 0.50    | U                | 4          |              | · c        |
|   |                     | 104.4     | 001          | 23JUN9C    | 234002         | EFFLUENT    | VOLATILES     | CARBON TETRACHLORIDE      | 0.27    | U -              | . 4        |              |            |
|   | NJ0004669           | 104.4     | 001          | 23JUN90    | 234002         | SEFLUENT    | VOLATILES     | DICHLORGEROMOMETHANE      | 0.50    | ີ ບຸ             | 4          |              | C          |
| . •                                     | NJ0004669           | 104.4     | 001          | 23JUN90    | 234002         | EFFLUENT    | VOLATILES     | 1,2-DICHLORCPROPANE       | 0.50    | Ų                | 4          |              | E          |
| >                                       | NJ0004669           | 104.4     | OC 1         | 25JUN90    | 234002         | EFFLUENT    | VOLATILES     | TRANS-1,3-DICHLCROPROPENE | 0.50    | u                | 4          | ·            |            |
|   | NJ 3004667          | 104.4     | 901          | 28JUN90    | 234002         | EFFLUENT    | VOLATILES     | TRICHLORGETHENE           | 0.50    | บ                | 4          |              |            |
| 오.                                      | NJ 00 04 66 9       |           | 901          | 2314490    | 234002         | I IFFLUENT  | VOLATILES     | DIBROMOCHLOROMETHANS      | 0.50    | U                | 4          |              | C          |
| TTACHMENT                               | NJ 30 04 56 9       | 104.4     | oc 1         | 23111170   | 234002         | EFFLUENT    | VOLATILES     | 1,1,2-TRICHLOROETHANE     | 0.50    | U                | 4          |              |            |
| Z                                       | NJ 0004669          |           | 30.1         | 231UN 9C   | 234002         | EFFLUENT    | VOLATILES     | CIS-1,3-DICHLOROPROPENE   | 0.50    | U                | 4          |              | C          |
| To                                      | · · · · ·           |           |              | 233 9N FC  |                | EFFLUENT    | VOLATILES     | экомогоям                 | 0.50    | U                | 4          |              | (_         |
| 112                                     | NJ 00 04 56 7       |           | 90 1<br>90 1 | 283 UN 70  | _              | EFFLUENT    | VOLATILES     | 1,1,2,2-TETRACHLORGETHANE | 0.50    | Ü                | 4          |              | -          |
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|----------|-------------------|-------|--------------|--------------|------------------|------------|--|--|----------------|----------------|--------------|--------|------------|
|          | NPD ES #          | ам    | D S N        | SAMPLE DATE  | SAMPLE<br>NUMBER | MATRIX     | GROUP  | PARAMETER                                | VALUE          | REMARK<br>CODE | CODE         |        |            |
|          | WEDGS #           |       |              |              |                  |            |  | en en en en en en en en en en en en en e |                |                | ≓1.<br>      |        | (3)        |
|          | NJ 00 04 66 9     | 104.4 | oc 1         | 23JUN9C      | 234002           | EFFLUENT   | VOLATILES  | 1,4-DICHLORGSENZENE                      | 0.5            | ປ<br>          | 4            |        | Ø          |
|          | NJ0004669         | 104.4 | 001          | 23JUN9C      | 234002           | EFFLUENT   | VOLATILES  | 1,3-DICHLORCSENZENE                      | 0.5            | U              | <u>4</u>     | •      | . •        |
|          | NJ 0004669        | 104.4 | JC 1         | 2 3J UN9C    | 234002           | EFFLUENT   | VOLATILES  | 1,2-DICHLORCSENZENE                      | 0.5            | <b>U</b>       |              |        | 0          |
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|          | NJ 0634667        | 104.4 | 001          | 2 3 J UN 9 G | 254002           | EFFLUENT   | VOLATILES  | ACRYLONITRILE                            | •              |                |              |        | O          |
|          | NJ 0004669        | 104.4 | <br>001      | 23J UN9C     | 234767           | SEFLUENT   | NVOA ACIDS   | PHENOL                                   | 100.0          | U              | 4            | ****** |            |
|          | NJ 0004669        | 104.4 | oc 1         | 2 3J UN 9C   | - 234769         | EFFLUENT   | NVOA ACIDS   | 2-CHLOROPHENOL                           | 100.0          | U              | 4            |        |            |
|          |                   |       | oc 1         | 23JUN9C      | 234769           | EFFLUENT . | NVCA 4CIDS   | 2-NITROPHENCL                            | 100.0          | , _u           | 4            |        |            |
|          | NJ 00 04 6 6 9    | 104.4 |              | - 23JUN76    | 234767           | EFFLUENT   | NVQA ACIDS   | 2,4-DIMETHYLPHENOL                       | 100.0          | Ŋ              | 4            |        | 0          |
|          | NJ 0004669        | 104.4 | 001          |              | 234767           | EFFLUENT   | NVCA ACIDS   | 2,4-DICHLOROPHENOL                       | 100.0          | Ü              | 4            |        |            |
|          | NJ 00 04 56 9     | 154.4 | 001          | 2310090      |                  |            | NVOA ACIDS   | 4-chloro-3-METHYLPHENOL                  | 100.0          | u              | 4            |        | 0          |
|          | NJ0004669         | 104.4 | OC 1         | 23JUN?C      | 234769           | EFFLUENT   | NVCA ACIDS   | 2,4,6-TRICHLOROPHENGL                    | 100.0          |                | 4            | •      |            |
|          | NJ 0004669        | 104.4 | . OC1        |              | 234767           | EFFLUENT   | Committee of the Commit | <u>-</u>                                 | 500 <b>.</b> J | บ              | 4            |        | <u>ن</u> . |
|          | NJ 2004669        | 104.4 | 001          | 2310090      | 234769           | EFFLUENT   | NVOA ACIDS   | 2,4-DINITROPHENOL                        | 500.0          | u              | <br>4        |        | Č.         |
|          | NJ0004669         | 104.4 | OC 1         | 23JUN9C      | 234769           | EFFLUENT   | NVOA ACIDS   | 4-NITROPHENCL                            |                |                |              |        |            |
|          | NJ0004569         | 104.4 | 001          | 2310090      | 234769           | EFFLUENT   | NVOA ACIDS   | 2-METHYL-4,6-DINITROPHENOL               | 500.0          |                |              | nz "   | C          |
| - '      | NJ0004669         | 164.4 | <b>DC 1</b>  | 23JUN90      | 234769           | SEFLUENT   | NVOA ACIDS   | PENTACHLOROPHENOL                        | 500.0          | U .            |              |        | C          |
|          | NJ0004669         | 104.4 | 001          | 23JUN9C      | 234769           | EFFLUENT   | NVCA B/N   | N-NITROSODIPETHYLAMINE                   | 100.0          | <u>u</u>       | 4            |        | ()         |
|          | NJ0004569         | 1C4.4 | 001          | 23JUN90      | 234769           | EFFLUENT   | NVE ADVM   | BIS (2-CHLOROETHYL) ETHER                | 100.0          | Ų              | 4            |        | . 0        |
| _        | NJ0004669         | 104.4 | o <b>c</b> 1 | 2310070      | 234769           | SFFLUENT   | NVCA 3/N   | 1.3-DICHLORCSENZENE                      | 100.0          | U .            | <u>4</u><br> |        | . i        |
| Ë        | NJ 00 04 669      | 104.4 | 001          | _<br>        | 234769           | EFFLUENT   | NVCA B/N   | 1,4-DICHLORCSENZENE                      | 100.0          | <b>U</b>       | 4            |        | C          |
| <b>⊼</b> | NJ0004669         | 134.4 | <br>001      | 23JUN9C      | 234769           | EFFLUENT   | NVOA S/N   | 1,2-DICHLOROBENZENE                      | 100.0          | Ü              | 4            |        | €          |
| Ĭ        |                   | 104.4 | JC1          | 23JUN7C      | 234769           | EFFLUENT   | NVS ACVN   | BIS (2-CHLORDISCPROPYL) ETHER            | 100.0          | U              | 4            | _      | -          |
| CHMENT   | NJ0004369         | -     | 20.1         | 2330070      | 234769           | EFFLUENT   | NVCA 3/N   | HEXACHLOROSTHANE                         | 100.0          | U              | 4            |        | €.         |
| 4        | NJ0034669         | 104.4 |              |              |                  | EFFLUENT   | NVCA B/N   | SAIMATAGES HELDS CONTINE                 | 100.0          | IJ             | 4            |        | ſ          |
| 1        | <b>NJ</b> 0004667 |       | <b>0C1</b>   | 28JUN9C      | 234767           | -          | NVS ACVN   | NITROBENZENE                             | 190.0          | ن              | 4            |        | C          |
| F        | NJ0004569         | 104.4 | OC 1         | 28JUN9C      | 234769           | EFFLUENT   | N YOR DAN  |  |                |                |              |        | Ç          |
|          | <b>~</b> I        | -     |              |              |                  |            |  |  |                |                |              |        |            |

ECJUNGE 234769 EFFLUENT NVOA B/N ISOPHORONE 100.0 U 4
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|                   | at 4 . 1   |            | AN        | ALYSIS PER       | FORMED BY 90    | LABORATORIE        | S. SOUTHMANHTUCS .2  |                               | * -  |              |  | _              |
|-------------------|--|------------|-----------|------------------|-----------------|--------------------|--|-------------------------------|--|--------------|--|----------------|
| NPDES #           | RM -   | DSN        |           | SAMPLE<br>NUMBER | MATRIX          | GROUP              | PARAMETER  | VALUE                         | REMARK<br>CODE                                     | ODE          | The second secon | · O            |
|                   | 104-4  | 001        | 28JUN90   | 234769           | EFFLUENT        | NVCA B/N           | BIS (2-CHLCROETHOXY) METHANE   | 100.00                        | Ų  | 4            |  | 9              |
| NJ0004667         | ا در در در میشود.<br>در در در میشود این این در میشود این این این این این این این این این این | 001        | 23JLN70   | 234769           | EFFLUENT        | NVS ACVN           | 1,2,4-TRICHLOROBENZENE   | 100.00                        | u T  | 4            |  | : O            |
| NJ0G04669         |  |            | 28JUN90   | 234769           | EFFLUENT        | NVOA B/N           | NAPTHALENE   | 100.00                        | U  | 4            | *  | . 🕒            |
| NJ0004669         |  | 001        | 28JUN90   | سيتنب            | EFFLUENT        | NVOA B/N           | HEXACHLOROSUTADIENE  | 100.00                        | U  | 4            |  |                |
| NJ 0004669        |  | 001        |           | 234769           | EFFLUENT        | NVOA.B/N           | HEXACHLOROCYCLOPENTADIENE  | 100.00                        | U  | 4            |  | 0              |
| ) NJ0004669       | 104.4  | 001        | 28JUN90   | 234769           | EFFLUENT        | NVOA B/N           | 2-CHLORONAPHTHALENE  | 100.00                        | ับ   | 4            |  | 9              |
| , NJ0004669       | 104.4  | 001        | 23JUN90   |                  | ga la karang ng | NVOA B/N           | ACENAPHTHYLENE   | 130.00                        | U  | 4            |  | •              |
| NJ0G04669         | - 104.4<br>  | 001 -      |           | 234769           | EFFLUENT        | NVOA B/N           | DIETHYL PHTHALATE  | 130.00                        | <u>.</u> ປ   | 4            |  | . 3            |
| NJ0004669         | 104.4  | 001        | 23JUN90   |                  | EFFLUENT        | NVOX B/N           | 2,6-DINITROTOLUENE   | 100.00                        | U  | 4            |  | G              |
| NJ0004669         | 104.4  | <b>001</b> | 23JUN90   | 234769           | EFFLUENT        | and grade the same | ACENAPHTHENE   | 100.00                        | Ü  | 4            |  | . <b>(3</b>    |
| NJ0034669         | 104.4  | 001        | 28JUN90   | 234769           | EFFLUENT        | NVE AOVN           |  | 130.00                        |  | 4            |  | <u> </u>       |
| NJ0004669         | 104.4  | 001        | 23JUN90   | 234769           | EFFLUENT        | NVE ACVN           |  | 100.00                        |  | 4            |  | ·<br>          |
| พ ม 0 0 0 4 5 6 9 | 104.4  | 001        | 23JUN90   | 234769           | EFFLUENT        | NVOA S/N           | FLUORENE   | 100.00                        |  |              |  | ; €            |
| NJ0004669         | 104.4  | 001        | 28JUN90   | - 234769         | EFFLUENT        | NVE AOVN           | and the company of th | 100.00                        | va÷ z z v v ' →                                    |              |  | · ·            |
| NJ0004669         |  | 001        | 28JUN90   | 234769           | EFFLUENT        | NVOA B/N           | DINETHYL PHTHALATE   |                               |  | <del>-</del> |  | <u>.</u>       |
| NJ0004669         | 104.4  | 001 🧳      | 28JUN90   | 234769           | EFFLUENT        | NVOA 3/N           | 1,2-DIPHENYLHYDRAZINE  | 100.00                        | U  | <u>.:</u>    |  |                |
| NJ0004669         | 104.4  | 001        | 23JUN90   | 234769           | EFFLUENT        | NVOA B/N           | N-NITRCSCDIPHENYLAMINE   | 100.00                        | U  | <b>4</b>     |  |                |
| J NJ0004669       |  | 001        | . 28JUN90 | 234769           | EFFLUENT        | NVOA B/N           | 4-BROMOPHENYL PHENYL ETHER   | 100.00                        | <u> </u>   | <u> </u>     |  |                |
| NJ0004569         | 104.4  | 901        | 28JUN90   | 234769           | EFFLUENT        | NVOA B/N           | HEXACHLOROBENZENE  | 100.00                        | • U 195  | 4            | روزید<br>در این این این این این این این این این این  | C              |
| NJ0004669         |  | 001 -      | 2EJLN90   | 234769           | EFFLUENT        | NVOA B/N           | PHENANTHRENE   | 100.00                        | U  | 4            | re car e<br>i r pe   | maria<br>maria |
| H10004669         | 104.4  | 001        | 2816890   | 234769           | EFFLUENT        | - NVCA 3/N         | ANTHRACENE   | 100.00                        | <b>U</b>   | 4            |  |                |
| ΩNJ 3034669       | 104.4  | 061        | 23JUN90   | 234769           | EFFLUENT        | NVOA B/N           | DI-N-BUTYL PHTHALATE   | 100.00                        | - · U  | 4            |  | · · · C        |
| ·> =              |  | 001        | 23JUN90   | 234769           | EFFLUENT        | NVOA B/N           | FLUORANTHENE   | 100.00                        | U  | 4            |  | H.             |
| MNJ0004669        | 104.4  | ac1        | 2310890   | 234769           |                 | NVS ADVN           | PYRENE   | 100.00                        | υ  |              |  | (.             |
|                   |  | J01        | 23JLN90   | 234769           | EFFLUENT        | NVOA 3/N           | BENZIDINE  | 500.00                        | υ  | 4            | •  | · C            |
| Ju 0004 567       |  | 001        | 2336493   | 234769           | EFFLUENT        | NVS ADVN           | BUTYL BENZYL PHTHALATE   | 100.00                        | U  | 4            |  | Ċ              |
|                   |  |            |           |                  |                 |                    |  | and the comment of the second | स्टब्स्ट इंटर- <del>एक गुण्डास्ट राजि चर्च</del> ा |              | <del></del>  |                |

| :          |                 |       |     |                  |            |  |   |                            |                | •                |                        |
|------------|-----------------|-------|-----|------------------|------------|--|---|----------------------------|----------------|------------------|------------------------|
| <i>(</i> : | NJ 0004669      | 104.4 | 001 | 23JUN93          | 234769     | EFFLUENT NVOA B/N E<br>GEORGIA PACIFIC CORPORAT<br>WASTEWATER DISCHARGE - DS |   | 100.05<br>15:12 FRIDAY, MA | U<br>17 31, 19 | 991 4 .          | C :                    |
| .9         | •               |       | ii  | A1               | NALYSIS PE | REORMED BY GC LABORATORIES   | , SOUTHHAMPTON, PA                                      |                            |                |                  |                        |
| )          | NPD & S#        |       | DSN | SAMPLE<br>DATE . | SAMPLE     | gar messar a sama  | PARAMETER (1984) See See See See See See See See See Se |                            | REMARK<br>CODE | QC<br>,,,,, CODE | © .<br>⇒ ::<br>•       |
| 3          | NJ0004669       | 104.4 | 001 | 23JUN90          | 234769     | EFFLUENT NVOA B/N  | CHRYSENE  | 100.30                     | U              | 4                |                        |
| 3          | NJ 0004659      | 104.4 | 001 | 28JUN90          | 234769     | EFFLUENT NVOA B/N  | 3,3'-DICHLCROSENZIDINE                                  | 200.00                     | . U            | 4                | • · · · <b>C</b> / · · |
|            | NJ 0004669      | 104.4 | 001 | 28JUN99          | 234769     | EFFLUENT NVOA B/N  | BIS (2-ETHYLHEXYL) PHTHALA                              | TE 100.00                  | U              | 4                | €.                     |
| 9          | NJ 0004569      | 104.4 | 001 | 23JUN90          | 234769     | EFFLUENT NVOA B/N  | DI-N-OCTYL PHTHALATE                                    | 100.00                     | U              | <b>4</b> .       | <i>c</i> .             |
| )          | NJ 0004 569     | 104.4 | 001 | SSJUN9J          | 234769     | EFFLUENT NVOA B/N  | BENZO(B) FLUORANTHENE                                   | 100-00                     | U .            | 4                | <b>C</b> .             |
|            | NJ 0004669      | 104.4 | 001 |                  | 234769.    | EFFLUENT NVOA B/N  | BENZO(K) FLUORANTHENE                                   | 100.00                     | IJ             | 4                | <b>©</b> .             |
| الكان      | NJ 0004 56 7    | 104.4 | 001 | 2816,490         | 234769     |  | BENZO(A) PYRENE   | 100\00                     | U              | 4                |                        |
| 9          | NJ 0004669      | 104.4 | 001 | 28JUN90          | 234769     | EFFLUENT NVOA B/N  | INDENO(1,2,3-CD)PYRENE                                  | 100.00                     | บ              | 4                | 6                      |
|            | NJ 00 04 66 9   | 104.4 | 001 | 22 J U N 9 0     | 234769     |  | DIBENIC(A/H)ANTHRACENE                                  | 100.00                     | U              | 4                | - Č                    |
| s, ž       | -<br>NJ 0004669 | 104.4 | 001 | 28 JUN90 .       | 234769     |  | BENZO (GHI) PERYLENE                                    | 100.00                     | ប              | 4                |                        |
| ()         | NJ 0004669      | 104.4 | 901 | 28JUN93          | 234769     | EFFLUENT PEST/PC3  | ALDRIN  | 0.05                       | U              | 4                | <b>C</b>               |
| _          | NJ 0G 04 66 9   | 104.4 | 001 | 28JUN90          | 234769     | EFFLUENT PEST/PC3  | ALPHA-EHC   | 0.05                       | Ü              | 4                | · C                    |
|            | NJ 0004667      | 104.4 | 001 | 23JUN90          | 234769     | EFFLUENT PEST/PCB  | BETA-BHC  | 0.05                       | Ü              | 4                |                        |
| ال         | NJ 0004 669     | 104.4 | 001 | 28JUN90          | 234769     | EFFLUENT PEST/PCB  | DELTA-BHC   | 0.05                       | U              | 4                | (                      |
| · .        | NJ 0004669      | 104.4 | 001 | 28JUN90          | 234769     | EFFLUENT PEST/PCB  | GAMMA-BHC (LINDANE)                                     | 0.05                       | บ              | 4,4.             | C                      |
| 0          | NJ 00 04 66 9   | 104.4 | 001 | 2SJUN90          | 234769     | EFFLUENT PEST/PCB  | 4,4'-DT   | 0.10                       | บ              | 4                |                        |
| 0          | NJ 0004 669     | 104.4 | 001 | 2810490          | 234769     | EFFLUENT PEST/PCB  | 4,41-000  | 0.10                       | U              | 4                |                        |
| _          | NJ 0004669      | 104.4 | 001 | 28JLN90          | 234769     | EFFLUENT PEST/PC9  | 4,41-DDE  | 3.10 >                     | U              | 4                | C                      |
| 9          | NJ 0004669      | 104.4 | 301 | 23JUN90          | 234769     | EFFLUENT PEST/PC3  | DIELDRÍN  | 0.10                       | U              | 4                | · ·                    |
| 2          | 1 NJ0004669     | 104.4 | 001 | ZEJLN90          | 234769     | EFFLUENT PEST/PCB  | -ENDOSULFAN I   |                            | Ü              | 4                | €                      |
| 5          | ┥               | 104.4 | 001 | 28JUN90          | 234769     | EFFLUENT PEST/PCB  | ENDOSULFAN II   | 0.10                       | ŭ              | 4                | (                      |
|            | NJ 0004667      | 104.4 | 001 | 28JUN90          | 234769     | EFFLUENT PEST/PCB  | ENDOSULFAN SULFATE                                      | 0.10                       | บ              | 4                |                        |
| <u></u>    | NJ 00 04 669    | 104.4 | 001 | 23JUN90          | 234769     | EFFLUENT PEST/PCB  | ENDRIN  | 0.05                       | ប              | 4                | . C.                   |
| 2          | NJ 0004569.     |       | 001 | 23JLN90          | 234769     | EFFLUENT PEST/PCB  | ENDRIN KETCHE   | 0.10                       | ט              | 4                | Ċ                      |
|            | NJ 0004669      | 124.4 | 001 | 2336890          | 234769     | EFFLUENT PEST/PCB  | HEPTACHLOR  | 0.05                       | υ              | <b>4</b>         |                        |
|            | - E             |       |     |                  | •          | **** *** ***   | •   |                            |                |                  | Ĺ                      |

| 0          | NJ 0004 567 | 104.4            | 901         | 2810/93    | 234769           |            | PEST/PCB<br>PACIFIC CORPO<br>R DISCHARGE — |                      | 0.05<br>16:12 FRIDAY/ | MAY 31, 199                    | 5          |  |
|------------|-------------|------------------|-------------|------------|------------------|------------|--|----------------------|-----------------------|--------------------------------|------------|--|
| ()         |             |                  |             | an         | ALYSIS PE        | RFORMED BY | C LABORATORI                               | ES, SOUTHHAMPTON, PA |                       |                                |            |  |
| 0          | NPD ES -#   | RM-              | DSN         | SAMPLE     | SAMPLE<br>Number | MATRIX     | GR OUP                                     | PARAMETER            | VALUE                 | REMARK<br>CODE                 | QC<br>CODE |  |
| <b>@</b> [ | NJ 0004669  | 104.4            | 001         | 23JUN90    | 234769           | EFFLUENT   | PEST/PC3                                   | ALPHA-CHLORDANE      | 0.50                  | U                              | 4          |  |
| 0          | NJ0004667   | 語。222<br>元 104.4 | 001         | 2816990    | 234769           | EFFLUENT   | PEST/PC3                                   | GAMMA-CHLORDANE      | 0.50                  | U                              | 4          |  |
| :          | NJ 0004669  | 1 34.4           | 001         | 2311890    | 234769           | EFFLUENT   | PEST/PC3                                   | TOXAPHENE            | 0.50                  | บ                              | 4          | 7 (24)<br>10 (4)<br>10 (4)<br>10 (4)<br>11 (4)<br>12 (4) |
| U          | NJ0034669   | 104.4            | 001         | SSJUNGO    | 2347ć9           | EFFLUENT   | PSST/PC3                                   | PCB-1016             | 0.50                  | U                              | 4          |  |
| 0          | NJ0004669   | 104.4            | 301         | 28JUN90 -  | 234769           | EFFLUENT   | PEST/PC3                                   | PC9-1221             | 0.50                  | U                              | 4          |  |
| za I       | NJ0004669   | 104.4            | 001         | _ 28JLN90  | 234769           | SFFLUENT   | PEST/PCB                                   | PCE-1232             | 0.50                  | y .                            | 4          |  |
| (i) ·      | NJ0004669   | 104.4            | 001         | 28JUN90    | 234769           | EFFLUENT   | PEST/PC3                                   | PCB-1242             | 0.50                  | · · · <b>U</b>                 | 4          | , a .  |
| (3)        | NJ0004669   | 104.4            | 001         | 28JUN90    | 234759           | EFFLUENT   | PEST/PC3                                   | PC8-1248             | 0.30                  | វ                              | 4          |  |
| <u> </u>   | NJ0004669   | 104.4            | 901         | 23JLN90    | 234769           | EFFLUENT   | PEST/PC3                                   | PCB-1254             | 0.50                  | U .                            | 4          |  |
| (;)        | NJ0004669   | 194.4            | 301         | 2816890    | 234769           | EFFLUENT   | PEST/PC3                                   | PCB-1260             | 0.50                  | U                              | 4 .        |  |
| 0          | NJ0004569   | 104.4            | 99 <b>1</b> | 2810/165   | 234769           | EFFLUENT   | METALS                                     | SILVER               | 50.00                 | U .                            | 4          | , , <del></del> -  |
| _ :        | NJ0004669   | 104.4            | 201         | 28JUN90    | 234769           | EFFLUENT   | METALS                                     | ALUMINUM             | 3200.00               | _                              | 4          | <br>   |
| (3)        | NJ0004669   | 104.4            | 061         | 2810,90    | -234769          | EFFLUENT   | METALS                                     | ARSENIC              | 50.00                 | IJ                             | 4          |  |
| ڼ          | NJ0004669   | 104.4            | 001         | CONULES    | 234769           | EFFLUENT   | METALS                                     | BERYLLIUM            | 50.00                 | ال<br>حاملة التاليكينية (آلفة) | 4          |  |
|            | NJ0004669   |                  |             |            |                  | EFFLUENT   | METALS                                     | CADMIUM              | 10.00                 | u<br>Li Maria a curti.         | 4          |  |
| <u>()</u>  | NJ0004669   | 104.4            | 001         | Z8JUN90    | 234769           | EFFLUENT   | METALS                                     | CHROMIUM             | 50.00                 | y                              | 4          |  |
| 0          | NJ0004669   | 104.4            | 001         | -"28JUN90" | 234769           | EFFLUENT   | METALS                                     | COPPER               | 50.00                 | U                              | 4          | Table<br>Table   |
|            | NJ0004669   | 104.4            | 001         | 23JUN90    | 234769           | EFFLUENT   | METALS                                     | MERCURY              | 1.00                  | U -                            | 4          | 12 day   |
| (A)        | NJ0004669   | 104.4            | 001         | 2SJUN90    | 234769           | EFFLUENT   | METALS                                     | NICKEL               | 50.00                 | . · · · <b>U</b>               | 4 ·        | - <del>40</del> 0 .                                      |
|            | NJ0004669   | 104.4            | 901         | 23JUN90    | 23476?           | EFFLUENT   | METALS                                     | LEAD                 | 20.00                 |                                | 4          | in in Edition<br>Similar                                 |
| <u> </u>   | NJ0004669   | 104.4            | 001         | 23JUN90    | 234769           | EFFLUENT   | METALS                                     | SELENIUM             | 10.00                 | ប<br>                          | 4          |  |
| <u>ت</u>   | <u>.</u>    |                  |             |            |                  |            |  |                      |                       |                                | ٠          |  |
| کی ا       | á           |                  | •••         |            |                  | •          |  |                      | •                     |                                |            | : :  |

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170.00 METALS ZINC NJ 0004 56 ? 104.4 301 0

ATTACHMENT L

Wike

# REPORT OF STACK TESTS GEORGIA-PACIFIC CORPORATION DEROUSSE ROAD PENNSAUKEN TOWNSHIP, NEW JERSEY

#### PURPOSE:

The purpose of this test was to determine if the rate of emission of sulfur dioxide to the atmosphere from the Back Boiler Stack was within the standards prescribed by Chapter X of the New Jersey Air Pollution Control Code.

#### PERSONNEL:

The test was performed by personnel of the New Jersey State Department of Health, Air Pollution Control Program. Participating were:

Mark Pollak - Senior Industrial Hygienist Henry Smith - Senior Chemist Michael Farrell - Assistant Public Health Field Worker Joseph Gentile - Student Assistant Gary Weaver - Assistant Public Health Field Worker

The Department gratefully acknowledges the assistance of Georgia-Pacific Corporation and expresses its appreciation to Mr. A. J. Marchand, Plant Manager, and Mr. S. Giordano, Plant Engineer.

### DATE OF TEST:

The Back Boiler Stack was sampled on September 18, 1968.

### PROCEDURE:

- 1. A velocity traverse was taken in the Back Boiler Stack, 16 feet above the boiler.
- 2. A series of ten test runs were taken for sulfur dioxide concentration in the stack at a point 16 feet above the top of the boiler.
- 3. The amount of fuel burned during the period of the test was determined by taking oil level readings at the storage tank at the beginning and end of each test run.

4. The method used for the determination of sulfur dioxide concentration in the stack gases was the Reich Test.

### TEST RESULTS:

| RUN NO. |       | DATE            |      | TIME  | SO,<br>ALLO | EMISSIONS, | LB/HR.<br>ACTUAL |
|---------|-------|-----------------|------|-------|-------------|------------|------------------|
| 1       |       | September 18, 1 | 1968 | 10:08 | a.m.        | 96         | 97               |
| 2       |       | September 18, 1 | 1968 | 10:16 |             | 96         | 103              |
| 3       | ٠     | September 18, 1 | 1968 | 10:22 |             | 96         | 97               |
| 4       | . : • | September 18, 1 | 1968 | 10:28 |             | 96         | 100              |
| 5       | ,     | September 18, 1 | 1968 | 10:34 |             | 96         | 104              |
| ,6      |       | September 18, 1 | 1968 | 10:40 |             | 96         | 110              |
| 7       | • •   | September 18,   | 1968 | 10:46 | •           | 96         | 112              |
| 8       |       | September 18,   | 1968 | 10:52 |             | 96         | 112              |
| 9       |       | September 18,   | 1968 | 10:58 |             | 96         | 105              |
| 10      |       | September 18,   | 1968 | 11:04 |             | 96 ,       | 98               |
| •       |       |                 |      |       |             | average    | 104              |

### **CONCLUSION:**

The test results indicated that the emissions to the outdoor atmosphere from the Back Boiler Stack exceeded the standard prescribed by Chapter X of the New Jersey Air Pollution Control Code.

Mark Pollak

Senfor Industrial Hygienist Air Pollution Control Program

1. Atmospheric Emissions From Sulfuric Acid Manufacturing Processes. Public Health Service Publication No. 999-AP-13, 67-80.

ATTACHMENT L-F

Report of Stack Tests
Georgia - Pacific Corporation
Derousse Road
Pennsauken Township, New Jersey

Purpose:

The purpose of this test was to determine if the rate of emissions of sulfur dioxide to the atmosphere from the Back Boiler Stack was within the standards prescribed by Chapter X of the New Jersey Air Pollution Control Code.

Personnel:

The test was performed by personnel of the New Jersey State Department of Health, Air Pollution Control Program. Participating were:

Henry Smith - Senior Chemist Roger Watson - Sr. Public Health Engineer Carl Wetterling - Assistant Public Health Field Worker

The Department gratefully acknowledges the assistance of Georgia-Pacific Corporation and expresses its appreciation to Mr. A. J. Marchand, Plant Manager, Mr. S. Giordano, Plant Engineer and Mr. Mike Freemont, Plant Chemist.

Date of Test: The Back Boiler Stack was sampled on February ?0, 1969.

### Procedure:

1. A velocity traverse was taken in the Back Boiler Stack, 16 feet above the boiler.

2. A series of ten test runs were taken for sulfur dioxide concentration in the stack at a point 16 feet above the top of the boiler.

3. The amount of fuel burned during the period of the test was determined by taking oil level readings at the storage tanks at the beginning and end of each test run. The fuel tank fed two boilers. From the steam flow charts of the two boilers, the proportion of oil to each boiler was determined.

4. The method used for the determination of sulfur dioxide concentration in the stack gases was the Reich test.

Atmospheric Emissions From Sulfuric Acid Manufacturing Process. Public Health Service Publication No. 999 - AP-13, 67-80.

| Test | Resi | ılts: |
|------|------|-------|
|------|------|-------|

| Run No. | Date    | <u>Time</u> | Allowable | ns,    | Actual |
|---------|---------|-------------|-----------|--------|--------|
| 1       | 2/20/69 | 1:47 pm     | 48.3      | ;<br>; | 67.6   |
| 2       | 19 19   | 1:54        | 48.3      | •      | 73.2   |
| 3       | 1) 11   | 2:03        | 48.3      | •      | 75.2   |
| 14 j    | 11 , 11 | 2:07        | 48.3      |        | 76.7   |
| 5       | 11 11   | 2:12        | 48.3      |        | 75.2   |
| 6       | 11 11   | 2:17        | 48.3      |        | 63.7   |
| 7       | 11 11   | 2:23        | 48.3      |        | 6li.3  |
| 8       | 11 11   | 2:28        | 48.3      |        | 66.5   |
| 9       | 11 11   | 2:32        | 48.3      |        | 63.4   |
| 10      | 11 11   | 2:35        | 48.3      |        | 66.7   |
| 11      | 11      | 2:38        | 48.3      | -      | 69.2   |
| 12      | 11 11   | 2:42        | 48.3      |        | 69.2   |

The test results indicated that the emissions to the atmosphere for the Back Boiler Stack was not within the standard prescribed by Chapter X of the New Jersey Air Pollution Control Code. Conclusion:

Henry Smith

Senior Chemist Air Pollution Control Program

HS:cjc

ATTACHMENT M

GEORGIA-PACIFIC CORPORATION

Plant 1.D. No. 50003

DEROUSSE AVE. & DELAWARE RIVER-PENNSAUKEN TWP.

### Leval Action Loa

| Date   | Subchapter<br>Section   | Action Taken          | Penalty     | •        |
|--|---|-----------------------|-------------|----------|
|  | Paranraph   |                       | · .         |          |
| 4-19-67  | 3.2 (a)   | ORDER                 | NONE        |          |
| 12-13-73   | VARIANCES   | P-29 & 30-OIL         |             |          |
| 3-25-74  | VARIANCES   | RESCINDED             |             |          |
| 10-1-76  | 3.2 (a)   | NOTICE OF PROSECUTION | \$100       |          |
| 10 1 70  |   |                       | - {         |          |
|  |   |                       |             |          |
|  |   |                       |             |          |
|  |   |                       |             |          |
|  |   | •                     | •           |          |
|  |   | •                     |             |          |
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ATTACHMENT N



### State of New Jersey DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

CN 029 Trenton, N.J. 08625-0029

(609) 292-1637 Fax # (609) 984-7938

rge H. Berkowitz, Ph.D. cting Director

IN THE MATTER OF

ADMINISTRATIVE ORDER

AND

GEORGIA-PACIFIC

NOTICE OF CIVIL ADMINISTRATIVE

PENALTY ASSESSMENT

CORPORATION

This Administrative Order and Notice of Civil Administrative Penalty Assessment is issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (hereinafter "NJDEP") by N.J.S.A. 13:1D-1 et seq. and the Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq., and duly delegated to the Assistant Director of the Division of Water Resources, Enforcement Element pursuant to N.J.S.A. 13:18-4.

### **FINDINGS**

- The Georgia-Pacific Corporation, a Georgia corporation, (hereinafter "Georgia-Pacific") operates a facility located at Block 109, Lots 11, 12, & 14, Derousse Avenue, Pennsauken Township, Camden County, New Jersey (the "site").
- NJDEP issued a New Jersey Pollutant Discharge Elimination System ("NJPDES") Discharge to Surface Water Permit No. NJ0004669 (hereinafter "the Permit") to Georgia-Pacific on December 16, The effective date of the Permit was February 1, 1984.
- Pursuant to the Permit, Georgia-Pacific discharges process wastewater and stormwater runoff, which contain pollutants as defined by N.J.A.C. 7:14A-1.9, through discharge 001 into Zone 3 of the Delaware River and the ground waters of the State.
- No person shall discharge any pollutant except in conformity with a valid NJPDES Permit issued pursuant to the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq.

- Part II, Page 6, Section B.2.a of the Permit requires that discharge monitoring results obtained during the previous reporting period shall be summarized and reported to NJDEP on Discharge Monitoring Report (hereinafter "DMR") forms. The DMRs were to be postmarked and submitted to NJDEP no later than the 25th of the month following the completed reporting period.
- A review of NJDEP's records indicates that Georgia-Pacific did not submit DMRs for the 001 outfall discharge for the months of August 1, 1988 thru January 31, 1989 in conformity with the time frame set forth in the Permit.
- Part IV, Section II of the Permit requires Georgia-Pacific to conduct 96-hour bioassay tests every three months and report the results to NJDEP within sixty (60) days after completion.
- The bioassay test results as referenced in paragraph seven (7) above for the period of February 1, 1988 through January 31, 1989 were not submitted by Georgia-Pacific as required by the Permit.
- Part IV, Section A.1 of the Permit sets forth specific parameters to be reported on DMRs and identifies discharge limitations for each parameter for each permitted outfall.
- 10. Georgia-Pacific has submitted DMRs to NJDEP as required by Part II, Section B.2.a. of the Permit for the period of February 1, 1988 through July 31, 1988. The DMRs demonstrate that Georgia-Pacific has violated the discharge limits of the Permit. Listed below are the dates and parameters which were violated.

| Listed below |          |                               | Permit         | Reported                 |
|--------------|----------|-------------------------------|----------------|--------------------------|
| Monitoring   |          | <u>Discharge</u><br>Parameter | Limits         | Results                  |
| Period       | <b>丑</b> |                               | 268 kg/day(av) | 306 kg/day<br>640 kg/day |
| 2/1-4/31/88  | 001A     | BOD5<br>BOD5                  | 406 kg/day(mx) | 640 kg/ aa1              |
| 5/1-7/31/88  | 001A     | •                             | - :- the table | above:                   |

The follwing abbreviations were used in the table above: BOD5 - Biochemical Oxygen Demand (5 Day)

kg - kilograms

av - average

mx - maximum

- 11. Georgia-Pacific is required to have all samples analyzed by a laboratory which approved and/or certified by NJDEP pursuant to Part I, Section (j)3 of the permit and N.J.A.C. 7:14A-2.5(a)12ii.
- On May 19, 1988 and January 31, 1989 a representative of NJDEP conducted Compliance Evaluation Inspections of the site which revealed that the analyses reported on the DMRs for the period of February 1, 1988 through July 31, 1988 were not performed by an approved and/or certified laboratory thereby invalidating the results reported on the DMRs. A Notice of Violation ("NOV") was issued to Georgia-Pacific during each of the Compliance Evaluation Inspections citing the violations contained in the above FINDINGS.

ATTACHMENT O





133 Peachtree Street, N.E. (30303) P.O. Box 105605 Atlanta, Georgia 30348-5605 Telephone (404) 521-4000

July 15, 1991

Mr. Michael DiGiore
N.J. Department of Environmental Protection
Division of Hazardous Waste Management
401 E. State Street
CN028
Trenton, New Jersey 08625

Dear Mr. DiGiore,

This letter is pursuant to your visit to the Georgia-Pacific Corporation facility at Delair, NJ on May 31, 1991 and in response to your inquiry of the G-P submittal of Part "A" hazardous waste notification in 1980. As you know, facilities submitted Part "A" notification as a protective measure due to the uncertainty and complexity of the new hazardous waste regulation at that time.

The Delair facility made notification based on two "solvents" in use at the plant at that time. It is now felt that these substances were incorrectly identified as F001 and F002 wastes. The two "solvents" were kerosene and a degreaser and rust preventative supplied by CRC Chemicals with the trade name CRC 2-26. We are enclosing a copy of the MSDS on CRC 2-26.

Your expressed concern during your plant visit was related to old "temporary storage lagoon" and what may have been placed in the lagoon.

Although the lagoon was constructed, no waste materials were ever placed in it, indeed the lining in the lagoon eventually blew away as a consequence of lack of use. The lagoon was subsequently filled (closed) and the new water treatment tank was installed over the site.

Georgia-Pacific contends that Delair facility has never been other than a small quantity generator of hazardous waste. The waste kerosene is characteristic waste due to ignitability and is collected and burned in the on-site boiler. The CRC 2-26 is no longer used. The last purchase was one 55 gallon drum in 1986 that still contains some material that is retained for potential use if necessary.